

acaaagccat gaggcaagt gacacatctc gttcaataaa aactagataa ctaataaagt 240  
 atagtttgta gtaataaata aataagcata ctctttttaa tgaatctata cgtctggacg 300  
 ctcattctga tcaaaaatac gattatggca agtaggggtg caagggtagg cacaatctat 360  
 ctcacggaag ggccttcgat cataaaacca atcaccact gcctttgcaa ttgatgtctt 420  
 ggccaccact ggggagtcac ttctcagcca tgtctcttgt attccagttt ggagtggtgc 480  
 atagcaacca tctataaaat gcccttt 507

<210> 31637  
 <211> 514  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: jC-gmst02400078g05a1  
 <400> 31637

tttgttgaca ttctccgga gatgaaaaaa cttggttccg tttagaaaag gctacaattg 60  
 ctttgatgata tcacaggagc ctttaggcca ggaattctca ctgcactgat gggggtcagt 120  
 ggagcaggaa agacaactct gatggatgtt ctttcaggaa gaaaaactgg aggtatcatt 180  
 gaaggagata taagaatcgg aggtacccc aaagtgcaaa agacatttga aagagtttca 240  
 ggttactgtg agcagaatga catacattct ccatatataa ccgttgaaga atctgtcaca 300  
 tactcagctt ggttgcggtt gccaacagaa attgattctg tcacgaaagg gaaatttgtt 360  
 gaagaagtcc ttgaaacaat tgaacttgat ggtataaagg attgtttagt tggcatccct 420  
 ggccaaagtg gcttgtctac cgaacaacgt ataagactaa ccattgcagn ggagctgggt 480  
 tccaatccat caataatatt catggatgaa ccta 514

<210> 31638  
 <211> 508  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: jC-gmst02400078g05d1  
 <400> 31638

aaaatatatt ttttttctta tgaaatgagt ctggtcacag aaccactgtt atttttctgt 60  
 agagagagag agagagagat cttgctaate tatgtagcca catatttcta tattttctata 120

catgaacatt gaagccagca tactgcagaa gaaccaaact gtgtctttgt ctgtgtctat 180  
 cttatctctt ttggaattc attttcttta tgaaataggg aaacagagaa gcgtagacaa 240  
 ttgggtacac aatgagcacc acagccacaa ggcttaatct gtcatgccgg aagccatagt 300  
 aatctcttaa aaaggaacca actgattttc gttccccaaa tacgagtacc tccttctcta 360  
 tgtctccata ttgggaagtt aggaggccat tcaaggacca agcagtagga caaatccagt 420  
 agcaccaaac ccaccattta ggaattttcg gtcttggcat gagaaatcca gaaaagagat 480  
 tgaatatggt gtagactgca gtcgacaa 508

<210> 31639  
 <211> 496  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: jC-gmst02400078h01d1

<400> 31639

cacgaagggg tttgcatttt ttttaacaat aaaaagaaac aacaatacaa ctgtgttttg 60  
 ttttcaaata taaagtatcc ccaattttcg tttgcacata cagggaacaa gaagtttcag 120  
 agaaatcaaa tttcaaacc taagaatctg aagcttggtg gagaaagcaa tagcgacca 180  
 atcaggctgc gaagacgacc actgaagctg ctcaatctcc gctccggcag tgtacgcaag 240  
 aatagggtca agcccaccct ccacgggttg acccatggaa gaaagggtccc aaatcagcgc 300  
 ctgcgaatca tccccggccg tgcatatatg gcacgagcta tgtggggccc acgcaatcgc 360  
 gttcacactc gcttgggtgc gctgcagctc caccacaggg agcgtgggaa aacgaatatc 420  
 caacaccacc acctttgcac tgtccatgat tatcgtcgcc atgtagcgtg ggtcctgctt 480  
 gttccacccg agccgc 496

<210> 31640  
 <211> 499  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: jC-gmst02400078h04d1

<400> 31640

gatatgttga ttttgcattn gattcaagca caagagggag gaagaagtaa cttaaattac 60  
 agtaagttat ccgagcatca atcggcataa caatctcttt ccacataaat tgattcaggt 120  
 tccaaatgaa caagttggaa taaccagggt ctttatacat taacacaaca cacagaataa 180  
 ttcccaaatt ctacatgaag actcctcaac cttttttcgc atatcccat cattatgcca 240  
 ttgtggccaa tgctctgaat cagctatctg ttgttgctc acttgcatTT tcgtagaggt 300  
 tctgtcgac aaattgtcca cgaaatcgag gtcgttgctc agctaattctc tttctgctct 360  
 gatatcgaac ctttttatga aagcacctct cccttctctc ttttctcttt tggcgaaatt 420  
 tagttaaggc cacttccctt tgagaagtct tggtttgatc tactctgttg gcactttcac 480  
 ttccactagc atcaccact 499

<210> 31641  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895275H1

<400> 31641

gatggttgaa agagttgaga gatcacacag accccaacat tgtggtcatg cttattggaa 60  
 ataagtcgga tcttcgacac cttgttgctg tccaacaga agatggaaaa tcttgtgcgg 120  
 agaaggaatc tctctacttc atggaaactt ctgcattaga agcaaccaat gttgaaaatg 180  
 catttacaga ggttctttct cagatatacc gaatagt-gag caagagaact gttgaggccg 240  
 gcaagaatg 249

<210> 31642  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895276H1

<400> 31642

aaacaaagaa aaaaaaaaaac ccttagccaa cacaaccatc atggccacct ctgctattca 60  
 gcaatcagca ttcactgggtc aaactgctct gaagcagctc aatgagttcg tccgcaagac 120  
 cgggtggcgcc ggcaaagggtc gcactaacat gcgcgcgacc gtcaagagtg ctctcagag 180

catttggatat ggccctgacc gtcccaagta cttgggtcca ttctcggagc agattccatc 240  
 atacctgacc 250

<210> 31643  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895279H1

<400> 31643

gcgtggagta agggaattgt gaccacaaaa gagaattata caacaaagca tatatgggca 60  
 ggacctactc caaggaaatg gggctcttcag tgggaattatt tgcaacctac tactgatata 120  
 aatgggactc tgttagcttc tcatagaaaa atggatatac ggtgggtggag agcacaggca 180  
 gtacgctact taatgaggtt cccaactgaa tacacatgca atttaatgaa tgaggccgcc 240  
 atgctagctt tgg 253

<210> 31644  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895280H1

<400> 31644

agaatctgtc tggttgattt gtgtgaagga ggcgagacct tcaagttgga atgcagctgc 60  
 aaaggtgaac ttgctctggc tcaccaagaa tgtgctatta aatggtttag tataaagggt 120  
 aacaagacct gcgatgtgtg caaagaggaa gttcgaaact tacctgtcac tctattacgg 180  
 atccaaagta ttcgaacatc tgaataatgg tggtaatagg actcagctgg aagatgtaaa 240  
 tggata 246

<210> 31645  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895281H1

<400> 31645



cctggggaca attttgttgg tctaataat gggcctgaag gtgataatca aaaacaacta 60  
 gaaaaggaaa ctggtgcgaa gataaaaatt catggaatca aagcagacac aggagagaaa 120  
 ggtgaaatta aaccggaac tgatatccag tgcaattaca aagagatgca tgttaaccta 180  
 tcagctgata gttttgaaaa agtggatgct gctatgttaa tcattgaact gctaatacacc 240  
 tctgtaaca 249

<210> 31646  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895283H1  
 <400> 31646

tgcttttagct atatcttcta tgccatgtcc aactttggaa ttgaagcaag ctgctcctcc 60  
 gattgctgtt gcatctatcc gaactctgca atcagagatt ataaagattt acacactgag 120  
 gctttgctct tgcattgctgg catcggttga agaggtttca aaggatgtga catgggttat 180  
 tgtttcaatt cttgaaagga acaaattccc atatgcaatc tcattcttgc ctttaccatt 240  
 ccgttcag 248

<210> 31647  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895284H1  
 <400> 31647

ctcagaggag agccccctcaa gcttgtggac ggtggccagt cccagagAAC ctttgtttac 60  
 attaaagatg ctattgaagc tgtcttgctg atgattgaaa accctgccag ggccaatggc 120  
 cacatattta atttgggtta cccaaacaat gaggttactg ttaggcagct tgctgaaata 180  
 atgattaagg tttattcaaa ggtaagtggc gaacaaactc ctgaaacacc taccgttgat 240  
 gtgagc 246

<210> 31648  
 <211> 247  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700895285H1

<400> 31648

```

cccgatgctt ccgacgcact tgcagcgagg cagaaagctc aattgtttct gaacgctgct   60
cgaactggat caattgatct cttaaagaaa ttggcgttgc agctggacga gggtaaggat   120
ttggcgaaat cgggtggacgc aataaaggac gccacaaga gaggtgcact gcattttgcc   180
gcgcgcgaag gccaaaccgc tgtttgcgac tacctcttaa ccgatttgaa gctctctgtc   240
gattctc                                           247

```

<210> 31649

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700895286H1

<400> 31649

```

accatgttct gatattcccc caaccacaca cagtcactct taaaaaata attcaacttt   60
atgcaaatgc aaagcatgtc aaccaccatg gcttcgtttt ctctccgac ccatttctca   120
gccgcacctt ctctctcgaa actccgtctt gtctacaaga acaacaattt cttctctctc   180
aggtcgaaga gtcttgcttt ctctcccttg aaggctgctg ctgctgagaa cggcggtggg   240
accgc                                           245

```

<210> 31650

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700895287H1

<400> 31650

```

gttgatctta agtgcaagct ggttgatttt ggtaatgctt gttggaccta taaacaattc   60
acaaatgata ttcagacaag gcagtatagg tgctctgagg ttcttcttgg atctaaatac   120
tcaactccag cagatctgtg gtcctttgct tgcatttgct ttgagcttgc ctctggcgat   180
gttctttttg atctcatag tggtgacaac tatgataggg atgagatcat               230

```

<210> 31651  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895288H1

<400> 31651

cttgaacccc actagaatgg ccactttaga cgaacgccct tctgcgaaaa ggtggcttcc 60  
 tctcgaagct aaccctgacg tcatgaacca gttcctttgg ggtcttg gcc ttccagtgga 120  
 tgaggcagag tgcggtgctg tgtttggctt agatgaagcg actctggaaa tggttcccaa 180  
 gccagttctc gccgtgcttt ttctttatcc aattaccg cg aagtctgaag aagaaagggtt 240  
 gcaacag 247

<210> 31652  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895289H1

<400> 31652

gtggtctgca actatgagca aggattatct aatcatactt tctctccttc tttccacggt 60  
 gcttgcaact gcaagttctt cttctttcttc ttctctcctc tatcttgga agggcttctc 120  
 ccatcgcaaa ttgtctccca gttatcacat tcacaaaacc attgacgaat cctatgcagt 180  
 tatcttcgat gctggtagca cggaagccg tgtacatgtc tatcgtttta accaacaatt 240  
 agatctc 247

<210> 31653  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895290H1

<400> 31653

gatgccttca atagatttgt ggatgacatc aatagtttag ctacttatca ctggtgggaa 60  
 gggctatatt acagtatcct ttgcatcatt gcatatcccc tagcttggtc atggcttcaa 120

atgtgtcggg gaaagaaatt acagaaactt agagaatttg ttcgatcaga gtatgaccat 180  
 gcatgcttgc gttcttgccg ttcacgagca ctttatgaag ggctgaaggt aggtgcaaca 240  
 tctgatctg 249

<210> 31654  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700895292H1

<400> 31654

ctcaaattaa ctctaattcc atccttgctg cgcttctnga ttgagattat tatgaactcc 60  
 ctgagcttgt taaccaagta gttcttctac agtagctaga cgcagccgtc ggtaaccacc 120  
 acatcaccat cgtcgcgccg cgaaaccaag ccctggcaac cgatntagcn cctgaattta 180  
 agcgattcct gctctagcct cgcatatctt aggatcgctt agacgctctt gatgtctcac 240  
 cttctt 246

<210> 31655  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895294H1

<400> 31655

gttctttaag taaaatttta atatgatttc agtgcataat aattcctgta atgtgcacca 60  
 gtaaagacca aagtatgatt attgttacat tatgctatat gattgtactt gtatatacat 120  
 attttgctcc gcctttgtaa atacaattgg gacactacta ggattgggaa gaagggctctt 180  
 tacattttta gtttggaaca tagatattgc aactaccttt gtataaatct atttctgaag 240  
 aagcaattac a 251

<210> 31656  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895273H1

<400> 31656

cagagagatt gatagatgag agaaaagaag acgatcaagt gtcacttgac tccttgaagg 60  
 gagataatcc atctcaatct gaaagctcac tcagaaagag aattggaagc aatgtgacca 120  
 aaggtgataa tctcgacgat aatactgtag atagtgcac atataatgta aaatcttcaa 180  
 atgttaagga accagttaga tcaccaacaa gtcttgtgtt tggttatctc aatcttttct 240  
 ctgatgga 248

<210> 31657

<211> 68

<212> DNA

<213> Glycine max

<223> Clone ID: 700895235H1

<400> 31657

cgttccaata tattccattc tctctgtgta gttccctacc tcgcccttca agctgcagag 60  
 cttcgtca 68

<210> 31658

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700895236H1

<400> 31658

cttcaatcgt acgtgaggtg ctctcaaatg tctcccagtc tgatccccgc atacttgcaa 60  
 gtctcatcag gctccatttt cactgactgtt ttgttcaggg gtgtgacgca tcaattctgc 120  
 tgaacgacac ggacacgatac gtgagcgagc aaagtgcagt gccaaacaac aactcaataa 180  
 gaggttttga tgttgtgaac cagatcaaga ctgcagtgga aaatgcttgt cccggcatag 240  
 tttcttgt 248

<210> 31659

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895237H1

<400> 31659

cacacactct catagctgta gcggcgacac taagatcgga gaaagaatgg cgaaaacgac 60  
gtcgttgctg ctctttacac tgctcctctt cggaacctta gctctcatcc aggccaagaa 120  
atcgaaggag gatttgacgg aggtgaccca caaggtttac tttgatgttg agattaatgg 180  
agaagaagca ggtcgtattg taatgggtct ttatgggaag gctgttccaa aaactgcaga 240  
caacttcgg 249

<210> 31660

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895238H1

<400> 31660

gtgcaagctt tctatcactt agggtcaccg ctgacgtcac agtcacactt tccatcaccc 60  
cctctccgac tcacactcac tgcttcgcg cccttcaagc cccgaccctt cgcttccatc 120  
ggaatctcgc cgctcccga gaggcgcgg atgccgggtg ccggcgccgt ggaggaaagc 180  
caagagagtt ccgaaccgga agcgggaagcg catttggcat cggaactgaa gaaggcgatg 240  
gcggagagg 249

<210> 31661

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700895239H1

<400> 31661

gtccgaagtt ggagatagtg attctgggtc tgttctgttc ttctttctac tcacaacaac 60  
atccgaatca gaaaccacaa tggccaacac taacttggaa gatgttccct ctctggatct 120  
catgatctga gtccttgcg tcgttctcaa gtggctctat ccaa 164

<210> 31662

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700895240H1

<400> 31662

cagaaaatcc tcaattttct gagcagccaa acactctctc tctgtctctc gaaaattctc 60  
agtttgcaga gaaaatctga atcatgtcgt ggcaagcgta tgctgacgat caccttctgt 120  
gtgacatcga aggtaaccac ctcactcacg ctgctatcat cggccaagac ggcagcgttt 180  
gggctcagag taccgacttc cctcagttca aacctgagga gataactgcc atcatgaatg 240  
actttaat 248

<210> 31663

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895241H1

<400> 31663

cgctgttggt gctgctcatc ctccgtaacc tccgagctct gcaccgaaga acgaagccat 60  
ggggaagaca catggaatgg gatctgctcg caagctcaag tcccaccgca ggaggcaaag 120  
gtgggctgac aagtcataca agaaatcaca tcttggaat gaatggaaga aaccttttgc 180  
tggttcatcc catgccaagg gaattgtcct tgaaaagata ggtattgagg ctaagcagcc 240  
caactctgcc a 251

<210> 31664

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895242H1

<400> 31664

tcttcttctt cttctcttac tctctctgta acaacaccac catcaacaac cctttcaagc 60  
cggcctaaac ccattaccc aaaatctgtt tttggttttt attttttttc cggcaacact 120  
ctttattgga tcatcttgta tttcattcct cctttacaat ttcctttcaa aaaaaatttt 180  
aaaaaatatt aaaaagtgtt cttttttgtg aattttgacc catttggtcca cgcacagatt 240  
tcgatcttc 249

<210> 31665  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895243H1

<400> 31665

ctcgagccgc tcgagccgat tcggctcgag gaacacttac cttaatgtca ccaaacttac 60  
 caatgactag gatctagaat ccctaggtac tgaagagaca gcttgtagct attcggatca 120  
 ccatgggaag gcgttctaag gcctaggtgc tgctggcgga tagagagaca ttgttgctga 180  
 taacaccagc gagatcacta cgctcgacgtt aaggactacc cgggccacgt acttct 236

<210> 31666  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895244H1

<400> 31666

cgaactcttg gtgttcctga aaatgccagt caggacgaga taaagaaggc atttcactcg 60  
 atgcgtactc gtggttcaga agacatagaa tatgatcgtg atgatgcaga aaggtttaga 120  
 aatgcttata gttctcattt ttctgattca ttccataaag tattctatga gatatttgaa 180  
 gaagcaacaa ctcaattctc atcaaatata gaggtggaga tgtctcttac tttctccgaa 240  
 gcagcgagag g 251

<210> 31667  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895246H1

<400> 31667

taaagccaac ggcagcttct ggatttatct aacgaaccct ccgtagttca gcatcatcgt 60  
 ccgtcatcat atcataatca tcaccgaatc aaaccaaaccc tatcttttaa ttcaaaactt 120  
 ttattttggg agacgccgtc gtttcggcaa cgccggcggc gcctcctcct ccagccatgg 180



ccgccgcaga caaagcgaag cctcgaagac gatgctctcg ctccccgtga gcgtcgttgt 240  
 tttggccatc gcc 253

<210> 31668  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895247H1

<400> 31668

ctcacctggc atgggaactg ttccatgggt tgtgaactca gagatctatc ccttgaggta 60  
 cagaggggtt tgtggaggaa tagcatccac aactgtttgg atttccaacc tcattgtttc 120  
 tgagtccttc ttgtccctca caaaagctct aggacagca tggacattca tgatgtttgg 180  
 acttgtggcc attgtggcaa tcttctttgt cattattttt gtgcctgaga ccaaaggggt 240  
 tcctatggag gaag 254

<210> 31669  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895248H1

<400> 31669

atttcccttc tgagctttga ttagtgtggc ctagttgttg ttttctcgat gagaaaggct 60  
 tcttccacta tgcattgcgc acttctgcgc ttttgggttc ccttggtgct gcttgctagc 120  
 ttcagctatg ctcttctgt ttcggccaca actgaaattt cagggaatga agtgaacaca 180  
 gatgggaagg tgataaatga cgagttagca aaaccaagtc taaaaggaca tgatgaagaa 240  
 gcaaagttca aaggat 256

<210> 31670  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895250H1

<400> 31670

cgctcatccc gtggagggtt cgctctctca gtttcttttc cccaaattgg ttttcatct 60  
 aacaatttac tttgcagaac cgtaacccta accccttccc ctaccttgta accttccttt 120  
 cgatccttca cctcgcaggt ctgatttttag ttgattcggt gattcccaga taatgggaga 180  
 cacaaaggac gaagcatacg aggaagagct tctcgattac gaggaggaag acgaaaaggc 240  
 ccccgac 247

<210> 31671  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895251H1

<400> 31671

cttttgtctc tttttggtct aagcaaacca cccaccatg gcagcaagag caacagcaat 60  
 ctttaacact cctcctcct cctccttctt cacattcaca ctctttctct ctctctctct 120  
 cctcctcaa ctttctctct cctccccctc tccctccatc caagaccttc tccgctccaa 180  
 aggcttgccc cccggcctcc tcccagagga ggtgaaatcc tacagcttct ccgaaaccgg 240  
 ccacttgga 249

<210> 31672  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895252H1

<400> 31672

ctaactca ttaattgcaa gaatggcact tcgttgcttg gtgatgtccc tttctgttct 60  
 cttcactctt ggtcttgcca gagaaagcca tgccagagac gaagattttt ggcatgctgt 120  
 ttggccaaac actcccatc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180  
 tgttgatatc gatgatcacc ctatgcaaat tgaagaaaca cagtaccga aaaccttctt 240  
 ctataaag 248

<210> 31673  
 <211> 247

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700895255H1

<400> 31673

gtgaatttct gcatagagca gctgatctta cattggtgcc atcagctgcc attgcaaaag 60  
 atcttgaaga agctcgagta acagcagcga acaagatttg tctttggaac aagggtgtcg 120  
 attctgaaag tttccatcca cgattcaagt cccatgaaat gcgattcagg ctgagcaatg 180  
 gtgaacctga gaagcccttg atagttcatg ttggacggct tggagttgag aagagtttag 240  
 attttct 247

<210> 31674  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895258H1

<400> 31674

accaagagag gcatctcgga tcttaagtct ggaaagatag tgactccttt acctccaaag 60  
 gccacatttc ttgatgatcc attacgagtt cttcgagcaa ttagatttgg tgctagattt 120  
 gaatgtactc tagatgaaga tctgaaagta gctgctgcat gtgatgatgt gaaagatgct 180  
 actagctgct aaaattagca gagagcgcat tggaactgag attgatctga tgatatccgg 240  
 aatcaacct 250

<210> 31675  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895259H1

<400> 31675

gcactggaca tgggcataat tcagaaggct gactatgaac gcatcaagaa agtgatgggt 60  
 ccagcctgcg aaatggcaat aaaactatgt ggactgatg gaaaaatcgc atgcacggca 120  
 tcatattgtg tttgtaatac aatattcaat tccatcatgt cacatgctgg ggatatcaat 180  
 gattatggac atcagaaaga tgtgtgtagg gagccattgc tcatgatattt tcgaacttgg 240

aga

243

<210> 31676  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895260H1

<400> 31676

cgcaacacaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120  
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgaccc gacggagttt 180  
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240  
 tacatca 247

<210> 31677  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895262H1

<400> 31677

gttcaaaggt aaggtagggt aacactcttc ttcacgtcgc tcgcaatggg acgtgtgatc 60  
 cgtgcgcacg taaggagca ggctcgggtc tcaagtccca cacgcaccac cgcaagggcc 120  
 ctgcacgctt ccggagcctg gacttcgggg agcgcaacgg ctacctcaag ggcgtggtca 180  
 ccgacgtcat ccatgaccct ggccgcgggc cgccgctcgc caaggtcgcc ttccgccacc 240  
 ctttcagata caag 254

<210> 31678  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895264H1

<400> 31678

tcggctcgag gggttccaaa gtcaggaccc tggttttgct ctctttgttt tgcttagctc 60

tatttgtgtc cttgcaccaa gcaagggcag caaagtcaca taataatgat aataatcata 120  
 atgtggctcg cttgaagggg agaaaggagt tgaatagatg taatttggtc attggaagtt 180  
 gggttattga ccttccttcc acatcctctc tatgaatctt caagctgccc ctttatagat 240  
 gctgagtttg attgccaaaa gtatggg 267

<210> 31679  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895266H1

<400> 31679  
 gtttccgagg gggttgagac tgcatttact ggtttgaaaa agaagaagaa gaagcctggt 60  
 gaaatgggta acttgaatga tgagagtgga gatgcaattg aagatttgga tgatcacct 120  
 gaagatgatg aaggagaaat ggttggttccc caggctcggt atccttgga agggagtgat 180  
 cgtaattatg aatatgagga gctgcttggc aggggtgttta acattctacg tgaaaataat 240  
 cctgaac 247

<210> 31680  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895267H1

<400> 31680  
 ttttgtgtac atgtgtggac taaaaggaat ggaaaaggga attgatgaca ttatggtgtc 60  
 attggctgcc aaagatggca ttgattggac tgagtacaag aggcaattga agaaagcaga 120  
 gcaatggaat gtcgaagtct attaatctt gttcacttgc acaaatatca tctcctactt 180  
 tatgctgcag caagtctatc aaccctcctg cgttgtgtag atatatgacg accctgtaat 240  
 ttttct 246

<210> 31681  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895269H1

<400> 31681

cggctcgagc ggctcgagcg gctcgagcgg ctcgagattt gttcccccca cagcctatac 60  
 ttatggagca tacgatcaag ctctcgggag acaatcctgc tggtagctgt tggtatgatg 120  
 tgatggttga tgttcctttt cctattcaga gggagttgtc tgccttattg gctaactgtg 180  
 aaaagaacaa agagattgag acatgtgatg aagcaatatg tggaatcatt agaaaaatcc 240  
 atgagc 246

<210> 31682

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700895270H1

<400> 31682

ggaggaggaa ggcctcgggg acggtgacct ttgcggtggc atagaggaa gctgcgacgt 60  
 cataattctc ggggcagtc agcatgacct tgcggaagaa ggaggccttg ccgtagcggc 120  
 tggcgccgca gtagagcgag ttcttgctgt tgttgaaggc gtcgtaggtg gcttggatga 180  
 ggtccccgca ccggaggatc agggagcggg gagaggggtg gagaggggtct agtaggcccg 240  
 ccc 243

<210> 31683

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895234H1

<400> 31683

ataaaaggga acgaacgtaa tggctgcagc agcgttgctc gaacttgatc gagttctcaa 60  
 gtccaagaag gaaatgttgt cgctcggga agcaaatatt cgtctatcgt ggtaatctac 120  
 ctctctaata gatctcgctg ccggtgcact tcctgggtcc gcagctgcag gggctgattt 180  
 atcatttccg tacccttaat gagcgacgat gctgtctgct tactcttcta gttataggct 240  
 tccctga 247

<210> 31684  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895191H1

<400> 31684

aatttgtcca aggaggaatt cgtacatata ctgcgtcgcc aaagtactgg tttctcaaga 60  
 ggaagttcta aataccgagg agtaacactc cacaagtgtg gccggtggga agctcgaatg 120  
 ggacaattcc ttggcaaaaa gtgaggacat atttttatat atcaacttaa gtagtgatct 180  
 actgtgggta tatgagatat tatgaattta agcacctatt gggctgtaaa gtgaattggt 240  
 ttcagct 247

<210> 31685  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895192H1

<400> 31685

caaaaacaaa gaaaaaaaaa aacccttagc caacacaacc atcatggcca cctctgctat 60  
 tcagcaatca gcattcactg gtcaaaactgc tctgaagcag ctcaatgagt tcgtccgcaa 120  
 gaccggtggc gccggcaaag gtcgcactaa catgcgcgcg accgtcaaga gtgctcctca 180  
 gagcatttgg tatggccctg accgtcccaa gtacttgggt ccattctcgg agcagattcc 240  
 atcatacctg 250

<210> 31686  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895194H1

<400> 31686

gttttcttgg cacagaaatg gctgtagcag actcaatatc tttccaagaa caactacttc 60  
 agaggggttc ttcagctcag tttaggaagc ctctccttca tcttgtgtcc actcaagaac 120





ctctcactct cgactcgtct tctcgcgcgc cgcgcgcgc cgccaccgca caccgcttcc 60  
 atcggcgcca tcgtaaccgt ctctttcttc acttgcagaa tggagtcaaa tcaggcagct 120  
 tcttccatgg aagttgagac tgtcccatct gaagccaaac ttttgccacc aaagccaaag 180  
 tttgagcctt tgaagcctca tgagatgtct gatggtcagg tacagttccg caaggtgaat 240  
 gttccacctc at 252

<210> 31690  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895204H1

<400> 31690

gttcacaatc ttgctcgatt tatttcagtc atgcagtttc atcctttatc ttggcgaact 60  
 tcccactctt atgttatggg agatcgtttt gaagacatca ctccctctga aaaagtgcac 120  
 gcaaataata aatgtgacag aaaagtcact ctttatgggt atcttagagg ctgtaatttg 180  
 aaaatgggca ataaggtgca catagcagga gtgggtgatt atcatgtagc tggtattact 240  
 gct 243

<210> 31691  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895205H1

<400> 31691

cctcgatcgg tcaaaagaac acgcaaagca aacagcagcc accacagcaa cacctagcac 60  
 cacaacaact gccgccacag ccacaggcac caatatttca gcaaacatat cctccatttc 120  
 atctgccgca gttccaccat caccagccga cgctgcagtt ccagcagcag cctcagccgc 180  
 cacagctatt ccagcatcag gcacagccac cttccacca acagtttcat ccttaggaat 240  
 caggcccagg ct 252

<210> 31692  
 <211> 162

<212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700895206H1

<400> 31692

actcatcatc ctatattctc ttcttggatc atcttgggta agctgcagat cagaatagaa 60  
 taataataaa taaagataag atggagactc atttggtttt cttgcttggt ttgatcttca 120  
 ctctagttgn acggcgattg gagcccaaga cccaagtgcc ca 162

<210> 31693  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895207H1

<400> 31693

ctcgagccgc tcgagccgtc cggtgaccct ctccaccctc agggcgccac caccacgtc 60  
 cacaaagacg ccggcagcaa cccacgtgg aactaccccg tgaaattctc tgtcaacgaa 120  
 tcgctggcga aggaaaatcg tttatctctt gagatcaagc tcattctcga ccgcaccctc 180  
 ggcgacaccg tcatcggcac cgtccatgtt cctctcaggg aactcctgga taaccccggc 240  
 gatgaca 247

<210> 31694  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895208H1

<400> 31694

cacctcttcc ccacatcctc acctttcact accccacaag tctttcactt gtagaagcca 60  
 ggctgagcca tcttctgatt cagccaaagt ccaagaactg agtgtgtatg agatcaatga 120  
 gagagatcgt ggaagccctg cttatcttag attgagccag aaaactgtca attcccttgg 180  
 tgatctagtc cccttcagca acaagttgta ttctggatgt ttgcaaaaga ggggtgggat 240  
 aacagctgga 250

<210> 31695  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895209H1

<400> 31695

caatgtgcct gccatgtatg tggccatcca agctgtcttc tccctatatg caagtggctg 60  
 cacaactggg attgttttgg actctggcga tgggtgtagt cacactgtgc caatctatga 120  
 gggctatgca ctccctcatg ccattcttcg tttggatctt gctggccgtg atctgactga 180  
 ctctttgatg aagatcctca ctgagagagg gtacatgttc accacctctg ccgagcggga 240  
 aattgttcgt ga 252

<210> 31696  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895211H1

<400> 31696

ccaacatctg cgacggaatc ctcaagctcc tcgacacgag cctcgtcccc tccgccgcct 60  
 ccggcgactc caaggtcttc tacctcaaga tgaagggaga ctaccacagg tacctcgctg 120  
 agttcaagac cggcgccgac cgcaaggaag ccgccgagag cacgctctcc gcctacaaag 180  
 ccgctcagga cattgctaac accgagctgc ctccaactca ccctatcagg ctgggtcttg 240  
 ctctgaattt ctctg 255

<210> 31697  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895212H1

<400> 31697

gatgctatga aaatccaaag aataagatta ctgcagtccc tgctgaggaa gaggaaatct 60  
 ggggtgcatt tttcaagggtg gaaggatcaa ctgttcttgc agccacagag tagaagattc 120

atthtcaaag agagtaccgt gtgatgcatt aatggcgtaa tgcatttatg tgcttgtgac 180  
 ggtaaggcat gcatgagggg tcatgtaaat aatgttaatg atgactatga caagagtgcg 240  
 actggtggaa g 251

<210> 31698  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895213H1

<400> 31698

aaacaaaata cggtagcttg aatggtggtg ccaactttgt tgcccctggt tacaccaagg 60  
 gtgatggtct tggtagctgag attgttggca ctttcgtcct tgtttacacc gttttctccg 120  
 ccaccgatgc caaacgtaac gccagagact ctacgtccc cattttggca cctttgcctc 180  
 ttgggttcgc ggtgttcttg gttcacttgg caaccatccc tatcaccggc actggtatca 240  
 accctgctcg tagt 254

<210> 31699  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895215H1

<400> 31699

ttcacgtact atatgtgttt gttttgcaca gcaaaaatca taatatatta taaataagat 60  
 tcagcacatg tatcaatcgt atgaaggcct gatggcgact agatggaaat ggtggtggtt 120  
 agcattgaca tggtagcttg gggagcacag aaatagcatt attttctctg gcagcacctt 180  
 caatgcaaat caaatgatgg aggatgcagt gtctttatta tggacttggc tgagacattt 240  
 agagaagggt ttt 253

<210> 31700  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895218H1

<400> 31700

aagaggtacc acaagatgaa ggacagaatc gtcggtgtct ccgaagagac caccaccggt 60  
 gtcaagaggc tctaccagat gcaggccaat ggctccctct tgttccctgc catcaacgtc 120  
 aatgactcgg tcaccaagag cacgtttgat aacttgtatg gataccgtca ctgcttccc 180  
 gatggactga tgagagccac tgatctgatg attgccggaa cggtagctgt tgtgtgtggc 240  
 ta 242

<210> 31701

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895219H1

<400> 31701

ccaaagcacg ccaaattacc cacacgcaaa cgacaacaac cgcgcgcggtt tcacacctcc 60  
 ataactcgga gtagcatacg cagcgtcggt gactcgcaac tcgtaacttg gcctcgcgcg 120  
 ccgatggcgt cggccccag caccgtcgct cccgcacct tcctgcgctc gattcccaag 180  
 ccgagagctc ctcttcacgc cgcgaaatcc gtcgccagcg ccgcgcgaaa cttcccgaga 240  
 ctttcgcaca a 251

<210> 31702

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895220H1

<400> 31702

aggatttcaa aattgggagg ttttcgtttg aattgtgatg tccaagccac tgctaggcat 60  
 aggggaggag gaagggtcaaa gcaatgtcac tttgttggtt tcttcctcag tcatcatgga 120  
 aagtgtgtgc ctgaatagct caaaattgaa agagcgcaac tacatgggggt tatctgattg 180  
 ttcatctgtg gacagctccg cgccgtcctt ctcatgatg actaaaagca atctgaacct 240  
 taaggct 247

<210> 31703

<211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895224H1

<400> 31703

atgagttgcc aagtactttc aaggcctacc gctaccaaca gcaccgttgg tcttgtggtc 60  
 cagccaatct ttttaggaaa atggatcatgg agatcataaa taacaagaaa gtgtcattgt 120  
 ggaagaagat acatgtgatt tacagcttct tctttgttcg gaaggtcgta gcacacataa 180  
 acacgtttgt gttttattgc attgtattac ctgcaacagt tttggtgcct gaggttgtgg 240  
 tcccaaagt 249

<210> 31704  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895225H1

<400> 31704

cgtggaggtc acagaggggtg tgagaggctt ctactttcta tacatggaaa cttgtttcca 60  
 attagcagtt ttgacctttt tcttcttcta agccttcaca gaatttttag gttggtgatt 120  
 ttggtgtttg ccgcttcaaa actgatggca gtgtttggtt ggcaaccttg tcctttcagg 180  
 tgattcctat gatctttcag tcacacacaa acacaaacat caacactgtt atgagcacta 240  
 gttcaacaac tta 253

<210> 31705  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895226H1

<400> 31705

ggggggctgt attagagggga cacattgacc tattaagttc tgatcattca ccaactgttc 60  
 ctgaactcaa gcttatggag gaagggtgact tcttaaaggc ttgggggggc atatcttctt 120  
 tgcagtttaa tcttccagtg acgtgggtcat atggtaagaa atatggacta actctggaac 180

aattgtcgtt attgtggagc aagaaacctg caacattggc ggggttagaa tcaaagggg 240  
ccattgcagt t 251

<210> 31706  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895229H1

<400> 31706

cctcgagcga atcggctcga ctgtttcgtt cactcccta atcgtgcta cagttacagc 60  
ataacttcta ttctataagt ctttctactc gcaagcaaat cagaagaaga gaatggcagc 120  
agcagagggg ctaaacagag cgagtagct gtacttggcg acctgtcgga gcaggcggag 180  
cggtacgagg agctggtgga gttcatgcag aagggtggtg tcgggtcgac gccggcgtcg 240  
gagctcacgg tgg 253

<210> 31707  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895230H1

<400> 31707

gccaggaaga atgtctcttc tgcaagaggg acaattgctg tggataagat cactcacagg 60  
gagcgatcat cgtatgtggg aaggcgact gaaaccttca cttttctgga cagtactgat 120  
cctgacattt tcacaccacg ctctgccct gactcgtatg gaactgcaac atactatcgt 180  
catggtagag atccttcctc tgatggtttt gctgagatac tgatgcgtca agggagtcta 240  
ctcatgggtg gacaa 255

<210> 31708  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895232H1

<400> 31708

ctcctcgagc tcgagccgaa tcggctcgag gtttttaaac ccatacctaa accatttcca 60  
 aacgttaacc ctatccctta agccaaagtc atttattaag ccagagactt tcttcagaaa 120  
 acctattcct aaacttcacc caaatctgat aaagcacggt cttctacatt ttccaattca 180  
 caatacaatt cctacaattt caactccata agatgatttg gccgtgtcct ataaaatgat 240  
 tgtacttaga acgttatcc 259

<210> 31709  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895190H1

<400> 31709

gaatagctct gctcagtgtt gctgttggac ttccaaatgt gggaggacat ttcgagactt 60  
 ggaacacagg aatccttggc ccagttgtac tccgtggact taaccaagga aagttggact 120  
 tatcttggca gaaatggact tatcaggttg ggctgaaagg tgaggccatg aatcttgcatt 180  
 ctccaaatgg tatctcttct gtagagtgga tgagctctgc attagtttca gagaaaaatc 240  
 aacca 245

<210> 31710  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895153H1

<400> 31710

gtggtggctg cgtggcactt cttggtgctg ccaaattggt gttgggggtt gtggtgggaa 60  
 cttctttggc acacattttg aagcagtttc ctgtggggat ttaggagtg ttgcttttgc 120  
 ttgctggaat tgaactagcc atgtgtgcta gggacatgaa caccaaggaa gattcctttg 180  
 tgactcttgt tatcactgca gtttcacttg tgggatcaag tgcagctctt ggctttttgt 240  
 gtggaat 247

<210> 31711  
 <211> 192  
 <212> DNA



<213> Glycine max'

<223> Clone ID: 700895154H1

<400> 31711

cgaaaaatgt cgaagctgat cttcgtgttc ctttcgctta ttcctcttct ctgcacctcc 60  
 ttctccccag agagaccctc agatcgacgc gtccctcggtt tgctcgatga cttcgccatc 120  
 aaatcctctc attctctctt cttcaactcc ctcaaactc ggggcttcga tctccaattc 180  
 cacacaacat ac 192

<210> 31712

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895157H1

<400> 31712

tcttaatttc tctctgcctt gctcatttac acacctctcc aacctttcac tttcagcttt 60  
 atttgaatcc ctctctctcc tttccaaatg gccagcggtg aggttgacaca tcaaacacca 120  
 tcaacagttc cagaaaatga aacaaccgag gtaatcaaga cccaggaaac aaccccggaa 180  
 ccagtaccag ccaactgaggc tcttgcaaca gaacaagcag cagctgaggt tcttgctcaa 240  
 gaagaacaac a 251

<210> 31713

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700895158H1

<400> 31713

ggactctcta gctagcacct ctctctattc tctccctaag tgactoctac ttcataatca 60  
 gagggcatgc ctgaatgtcc agagaaaggg agagatttga tgagataggg aagaagatca 120  
 agaggggaagg agatgtttca tctcaaattg gaagaagaca catgttaggc cctccaggaa 180  
 ccctaaatac tatcaccctt tgtgcggcat gtaagttgtt gagaagaaga tgtgcccaag 240  
 aat 243

<210> 31714  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895159H1

<400> 31714

ctgtgttttt ctctcgtcgt cctcctccta ttttgtttct catgcctttc atttgaatt 60  
 ttttacatga tcaactaaaa aatgtactct ctgttttccg accatttgtgt ctcttaatat 120  
 cagtatcaaa aagaatgttc caagttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
 aaaaaaaaaac aaaaagaaaa aaaatgaatt taagcaccta attgggctgt aaagtgaatt 240  
 ggtttcag 248

<210> 31715  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895160H1

<400> 31715

tctcccttcg cttactgttg caccttcctc ctaaattgatt actcccgctc ggcgtgcac 60  
 gccgccgatt gagtcaaca acaacaaca aaaacaccat aaaactcacc gtagcgcacc 120  
 acagccaaac gcgatctcaa cgatgaccag cttctgaaat tccaacttcg cccttcactc 180  
 tcgtatactt ttttatttcc ggtgaggtga gttccatgcc tagtcccaag agcagccgca 240  
 gcggccagat c 251

<210> 31716  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895161H1

<400> 31716

ataaactgca accgtgacaa aagttgcgta caatagcata ctcttactct gattcgttag 60  
 tgaagaaaaa tggcaacaat catcgccggc accccaacta catcaatcac tcgcacaggt 120

catgtgctca aacgacctgt tggggcctca tcctctaccg ttcttggatt gccagcaatg 180  
 gccaaaggcgg ggagagtga ggtgctccatg gaggaaaagc cttcaagcag ctcaaacta 240  
 gggatggggg 250

<210> 31717  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895163H1

<400> 31717

aatgcttata aacaccctaa tattattgca gaatttatag ctggacaatt aaagaataga 60  
 gtttcgtttc gtaaagcaat gaaaaaagct attgaattaa ctgaacaggc gggtagaaaa 120  
 ggagttcaag taaaaattgc aggacgtatc gacggaaaag aaattgcacg tgttgaatgg 180  
 atcagagaag gtagagttcc acacaacata cgagatagcg aaagggggat gtgct 235

<210> 31718  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895164H1

<400> 31718

cggctcgagc ggctcgagca accctctctc tatattccat tgccaccag ttttgaatat 60  
 atttttattc cttctttgtt tcttcacttt cttccatata cataaccatg tcttctcaga 120  
 ctgttgctct caaagttggt atgtcatgtc aagggtgtgc tggagcagtg aacagggttt 180  
 tgggaaaaat ggaaggtggt gagtcatttg acattgatct gaaggagcag aaggtgacag 240  
 tgaaaggaaa tgtg 254

<210> 31719  
 <211> 207  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895165H1

<400> 31719

gataatatta atggattatc agttatactt ttacacaaag caacaatttg cgaggtgagt 60  
 tcttacaaac tcaaaatagc tactttagg gattaagtat aaattgttgc tttgtgtaaa 120  
 agtataactg ataatattaa tggattatat tttgccaaaa aaaaaaaaaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa gggggggg 207

<210> 31720  
 <211> 158  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895167H1

<400> 31720

cttcttctct tgcggctagg ggggtagcgc agttcggctc agatttgagg atgatgggta 60  
 aggataaggt tcacatcagt attgtagtca ttgtcctggc cgactctggg atagccacta 120  
 ccactaggtg aactgattta caagctaggt tggattga 158

<210> 31721  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895168H1

<400> 31721

ctctgctttt cgaactttcc atcgactcca ccatgctatt caattagggg taggaattag 60  
 ggcttcttct tgttttcgct ccgttaattt caacaacggc caacatgggt gttctctcgc 120  
 tttcatctcc cagcctctcc accgctctcc tcgcaaagaa gctgcctccc cgagaacaca 180  
 cggttaagct agcgaccttt cgcaacaatt catttcgctt tagatgcgcg gtggacacgc 240  
 cctatg 246

<210> 31722  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895169H1

<400> 31722

aaaccctaatt ccctatTTTT cttcctcagt agtgtcattt acgcttctct tctctgcagc 60  
 aactatgcct aaccctaagg tcttcttcga catgaccatc ggcggtaaat ctgctggccg 120  
 catcgtgatg gagctctacg cgcagtcac tccccgcacc gccgagaact tccgcgcgct 180  
 ttgcaccggc gagaagggcg tagggcggag cggcaagccc ctccactaca agggctcgtc 240  
 cttccac 247

<210> 31723  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700895170H1

<400> 31723  
 cttcttcgtc tcaaacctct tcgttccttc gattcattcc atttcttcca aaatggccaa 60  
 agaccagtt cgcgttctcg tcaactggagc cgcagggcaa attggatatg ctcttgcccc 120  
 tatgattgct aggggagtgga tgctgggtcc tgaccagccc gtgatectcc acatgcttga 180  
 cattctcca gcagcagaat tcctgantng ggtaaaatg gaattggtgg atgctgcatt 240  
 ccctc 245

<210> 31724  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895172H1

<400> 31724  
 tctcatttca tttgttagtt ttcacatcct ccaacataag tgtctgagtt tgaaacacag 60  
 catagacata gcaaaatatg aatgccactc tcccttttta aatggaaaca aagctgaaga 120  
 caccacacga gcaatcaata gataacaaac taaagataga gtgagagtga gagacatgta 180  
 taggttcagc aacacagtaa tcgggttctt ggacttgtag acacttttag catccatacc 240  
 actaattgg 249

<210> 31725  
 <211> 247

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700895173H1

<400> 31725

gccaaagcatc actggcctcg cgggtttaga tgcaacggac acattatgct caattctgag 60  
 aaaatgtcca agtccactgg aaatttcagg acgttgcgtc aggcaattga ggagttttca 120  
 gctgatgcta ctcggttctc tttggctgat gctggtgatg gtgttgatga tgcaaatttt 180  
 gtctttgaga ctgcaaatgc tgcaattctc cggctcacca aagagattgc atggatgaa 240  
 gataatc 247

<210> 31726  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895174H1

<400> 31726

ggagaatcaa tcagcggatt gtaaaattga ttgtggaact tatgaggaat catgagactg 60  
 cagaatcatt ggtaattgtg gcaagttcat cagatttact actgagagcc acagatggga 120  
 tgctggttga tggagaagct tgcactttac cacagctgga gctattggaa gcaacagcta 180  
 gagcagttca gccagtgtc gagtttgag aatctggatt ggctgtggca gatggccttt 240  
 t 241

<210> 31727  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895175H1

<400> 31727

aaggcaatga atctgatgca ggcggttcgc tacgacgcct acgggggagg tccggccggc 60  
 ctcaagcacg ttgaagttgc cgttcccagt ccaaaggcaa atgaggtttt aatcaaactg 120  
 gatgcagtta gcattaaccc tattgattgg aagattcaga agggctcttct ccgtccttta 180  
 tttctcccca ggacctttcc ccacatacct tgcacggatg tggctggaga aatagttgag 240

atcgga

247

<210> 31728  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895176H1

<400> 31728

gatgggtcgt tctacagaat cagcggattt gactaatatt gacatgcttc attttcaaag 60  
aggttcttta gatgaattca ttgttgaggg ccctaaaatt gcacgacttg agtctctctg 120  
ggtcagtgtt gaatcaggtc acggtcagtg tcgcctagta agttgtatcc gtaatgggtga 180  
ttaactgtgt cgggggtatca tcagaacgag aagatgaggt aacaagttac gctg 234

<210> 31729  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895177H1

<400> 31729

tccatatatc aaacgaggaa tattatggac ataaaagccc agaatgtaag acatatgatg 60  
ctatgcttgt atttctcatg tatttagaaa ctacttctgc acgaaagaga gaagagggag 120  
caggcagaag tggctcggag aatactgctg gagaaaagca gggttctttt caaccagctt 180  
caagagtgca atgtcagtct tccttacgaa tacgaaggta ggacaattgt gaattcatca 240  
tcatcaac 248

<210> 31730  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895179H1

<400> 31730

ttgaaaatag gtgaaggcct gaagggtgaa tcacttctca tctgttctcc attgtgagcc 60  
ttcgtccatt ctgagtcaga tcgatagctc acaagcatta cgagttgaaa tcgttggaac 120

ctcgtcgaac aaccgttcaa atcgtcaaag acaaacgagc tctgactcgc cggaatctca 180  
 gcggacagca agtctttctg aacctgtcgt gctcggaact cagttggcga acttgatatt 240  
 gacgcttagg gc 252

<210> 31731  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895181H1  
 <400> 31731

ctcgagccga tttgttctta gattccattt tccaatgttg tatatattga acattcggac 60  
 ttccggatgc aagattcaaa agattattat ggccttgctc ctgggaaatc tgtgatactc 120  
 agatatgcat ttcctataaa gtgcactgaa gttattctag ctgatgataa tgagactatt 180  
 cttgaaattc gagccgagta tgatccttca aagaagacca agcctaaggg ggttctccat 240  
 tgggttgc 248

<210> 31732  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895182H1  
 <400> 31732

tggagacaaa gcagtgatgt gtcataggct aaatttcaga actgcagtat ttactgccca 60  
 tgaagtccgt gaaacaacag ctttcatggt tccattggtg gctggtgatg gaacccaaac 120  
 tcaggcactt gctatttgcc actcatatac ttctggaatg aatcatcaaa tgcttcatca 180  
 acttatggga gttgatcctg gaactaaccg tgtttgccat ttccttgga gcaaggccat 240  
 ttt 243

<210> 31733  
 <211> 111  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895184H1



<400> 31733

gaataattgc ggccaagcca ctaataccca aactcaaagc catagccatg gccaccctaa 60  
tttcagttta ggaacgtttc atatccaact ttcactttca ctttcacttt c 111

<210> 31734

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700895186H1

<400> 31734

ctagaactag aactagggtt tcacttttgc catcagaaac aacaatgatt tacgacgtta 60  
actctccctt tttccgatcc ttcctcagcc agaagggagg ctccctccgat aagaggaaaa 120  
cggatgaaca gaagccaaaa gagcagaaac ccaaagccag cgagaacaaa cctataatga 180  
cagagtgaca acaaatttgc tgcattcagt tgtagaatga taatagggtg tagatattgc 240  
atttgg 246

<210> 31735

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700895189H1

<400> 31735

gtcctatgga agtctatagc taaaccagct ttgaggatat cacaagctga agaaccattg 60  
aattttaact aaccaaacta ataagcaaaa atgttggcgg tgtttgcaaa agccattgga 120  
aaaccaccgg aggaactgag gcttccggca atgggggtcca ataattcaaa gacccagaa 180  
gaaattgtac agaaatttca atctttgtgg ccagattctg cagtttacia cttccacat 240  
gggaat 246

<210> 31736

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895151H1

<400> 31736

gcctttctct ctcttctttt tactctctct ctgtctctct ctacgctttc tcgttcgaga 60  
 tccctcaagg gatccactaa ctgaaggaga aatgggggtg acattcacca agcttttcag 120  
 ccggcttttc gccagaagg aaatgcgaat tctgatggtg ggtctcgatg cagctggtaa 180  
 gaccaccatc ctgtacaagc tcaaacttgg agagatcgtt accacaattc ccaccattgg 240  
 gttcaat 247

<210> 31737

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700895124H1

<400> 31737

cagcttccaa ggcttcggtg attccggcag ccgctacctc tccgcctcct ggggcgggat 60  
 ccagtgggag aagcaggtcc gcacctccgc ccagatccac cgtcaaggcg gcatgtccgt 120  
 cctcgtcacc ggcgctgccg gcttcgtcgg ctcccacgtc tccctctcgt taaaacgacg 180  
 cggagacggc gtcgtcggac tcgacaactt caacgactac tacgatccgt ctctgaaaaa 240  
 agcccgcaag tcc 253

<210> 31738

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700895126H1

<400> 31738

gtgtttgtca cgagacccat agtgctgcc aattatagta actctctttc tctatctgaa 60  
 gaagaagaag ttctgaagaa gcatgtgtgg aggtgctatc atctcagact tcattggtgt 120  
 gaagcgtgcc cgcaacctcg ccgcgcatga actgtggtcc gagcttgacc ctttctctga 180  
 cctccttggc ttcgatacca ccaccaccac caccaaccag ccacccttc cacac 235

<210> 31739

<211> 250

<212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700895127H1

<400> 31739

cgaagaagca taagagcgtc gatggatagt ctcaagttcg catctttgac gctgcctcct 60  
 tgttctcgac gctctgggat gctaggaaag aggttgaatt cccctttact tattattgat 120  
 tcttcagcac agttttgcta ttgcaagact gatcttgctg ccgcatcatc aagtattcca 180  
 ctgaccatta taaccaantc ttgtagattt tcaccaagtg tagcagcaga aacatggacc 240  
 tcgaatcttt 250

<210> 31740  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895128H1

<400> 31740

gttagcaaga cgagaaaagc ttccagatcc tgttgagaga gagaaagggtg ttagtctttg 60  
 gtcaatgatc aaggacaatg tgggaaaaga tctaacgaga gtttgtctcc cggataactt 120  
 taatgagccg agatcatccc tacatgaatg ttgtgaggac ttggagtact cttatcttct 180  
 ggatcaagct tatgagtacg ggaaatcagg aaacggtctc cttcgggcac tgtatgttgc 240  
 tgctgtgca g 251

<210> 31741  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700895129H1

<400> 31741

ggccattcag atgtcttctt ttgtctttgt ttctcttaca attttatttt gcgtctcttc 60  
 tttggagaag agttttgcct ttcacacaac atacgacata ggcatacaanc actcgcgcag 120  
 gtcattgtgt cagtcgctct gttggggctt catcctctac cgttctttgga ttgccagcaa 180

tggccaaggt gtggtgagtg tctgtctcca tgggtgggaaa gtctgcaagc agctcattcc 240  
tagggatggg g 251

<210> 31742  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895130H1

<400> 31742

attgattggt tgcagatgga ccccttacgg aaacactaag tgcaccattt gcaagcagca 60  
agtgcaccag aatgctaagt actgccacac ctgtgcttac tctaaagggtg ttatttccat 120  
gttgagatct ttttgcattt gctaccatac atattatattt tgggtacacta attaaatgtg 180  
ttctatcatg aaagtgcag actaaatttc tgatgtgttc tatatggcag gagtttgtgc 240  
aatgtgtgga aa 252

<210> 31743  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895131H1

<400> 31743

aacgaggata agcagaagga gcaaaagcaa tggcgccgaa gaagccgaga accacgacaa 60  
ggaaccctga tttggttagg gggattggca agtattcgag gtcgcagatg taccacaaga 120  
ggggcatctg ggccatcaag gccaaaaacg gtggcgtttt gccccgccac gatoccaaagc 180  
ccaagcccga ggccccggcc cagaagccgc ccaagttcta ccccgcgagc gatgttaaga 240  
agcccctcgt caaca 255

<210> 31744  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895132H1

<400> 31744

cccaatttcc aaaaacacaa acaagtggcc tcattctgaa ctctgaaact caaccttctt 60  
 tcttctcttc tctctcgtgt ttaactgttc agggcatcct agtttctctc agttagccaa 120  
 aatggtagct gcaaatagaga gggtcgtcgc tgtgatcatg gttggaggac ccactaaagg 180  
 tactagattc cgaccattgt cattcaacgt acccaagcca ctttttccat tagcaggaca 240  
 acccatgggt catcat 256

<210> 31745  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895133H1

<400> 31745

tagaattcaa cgtttgcaaa ttgcatattg ttcttctctt cctctcttcc tctgcatcca 60  
 tgtcgtcgat aacgggcatc caggggcaac ctcttgaggt tacggtggtt tctgtctcca 120  
 agttgaagga cacagaatgg atttcaagac aagatccgta cgtttgtgtt gagtatggca 180  
 gcacaaagtt ccgaaccaga acctgcacag acggcgga aaacccggta ttccaagaga 240  
 agttcatctt tccc 254

<210> 31746  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895134H1

<400> 31746

ctgatagccc ttatgctggg ggtgttttct tagttactat tcattttcct ccggattatc 60  
 cattcaagcc acccaagggt gcatttagga ctaaagtttt ccacccaaat atcaacagca 120  
 atggtagtat ttgtcttgat atcttaaagg agcagtggag ccccgcttg acaatatcta 180  
 aggttttgct ctccatttgc tccctattga cggatccaaa cccgnatgat cccttggtgc 240  
 ctgaaattg 249

<210> 31747

<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895135H1

<400> 31747

ccagaggaga aatatgccaa tgcttttctt ggatttggcc ctgaacaatc ccattttgtt 60  
gtggaattaa catacaatta tggggtgacc tcatatgata ttggaactgg atttggacat 120  
tttgctatcg caactccaga tgtttacaaa ttggttgaag acatccgggc taagggtgga 180  
aatgtcacca gggagcctgg tccagttaag ggtgggaaat ctgttattgc cttcgtgaag 240  
gacctga 248

<210> 31748  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895136H1

<400> 31748

caaagcacia gttgcataag tgctgaagag gaaagcacga gcaagaattg gaaagatggc 60  
attagaagaa agaaggggtgt tgaagatgat gatgatgaaa tgagaaagtt caacccaaaa 120  
gagccaaatt ttctgccatt ggctcctgag ccaggacaag agaaggttga cctgaggcat 180  
caaatgatgg atgagagaaa gaactcagag gattggatgc ttgattgtgc tctaagacaa 240  
gttgtgac 248

<210> 31749  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895138H1

<400> 31749

tcggcagagc aagaagttga tacaatcaag gatattgtat tcacatatga tgttgccttc 60  
acgggaagtg atatcagatg ggcatcacgg tgggacacat atcttttaaat gaatgatgat 120  
cagatccact ggttctccat cattaactct ctgatgattg ttcttgcctt gtctggaatg 180

gtggcaatga tcatgatgag aactcttttc atagacattg ccaatgataa tcagctagaa 240  
 acccaagatg aggccca 257

<210> 31750  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895139H1

<400> 31750

cttcgccagt taatagaaac tcaactttga gtagataata ctgctggatg tctcgtctct 60  
 aattattgta tttggacaat agttttgagt tgaggatcta atcattacca gatttaatat 120  
 acttggcaaa tggggctctga aggtcctacg acaccgacaa caacaattca tgtgacagga 180  
 tttaagaaat tccatggagt ttcagagaat ccatcagaaa caattgccaa taatttgacg 240  
 gagtacat 248

<210> 31751  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895140H1

<400> 31751

ctttctttgt attaaagtcg tatattttta tgcattgctgt cgagcttttg ttactttgtg 60  
 acaaattggag ggtccttagt tctgtttctc tttcttctct ctgttctctc aaccaagttc 120  
 tcaattcaat cttcttcacc cttttgatct gctaattctc aaggtattca aaattgggag 180  
 gttttcgttt gaattgtgat gtccaagcca ctgctaggca taggggagga ggaagggtcaa 240  
 agcaatgtc 249

<210> 31752  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895141H1

<400> 31752

aaggagatgg tcgtgtactg cttcgacacc ctctcgctc actacaacag cacggaagct 60  
 ccttcccctg ccttcgatca ggctcaacat ccattgtttg ttacatggaa gaaagtgggtg 120  
 aatgggtggag atcctcgtct tcgggggttg atcggaactc tggtaagcac gcaagcttga 180  
 tcaatgcggc tcaaagatgt atgcacttga ccagtngccg ctcagnngga ccggagattg 240  
 tccacccatg tacaggcta 259

<210> 31753  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895142H1

<400> 31753

cgagaagcaa ggatcaaagc ttcacaagaa ggaaacttgt gagcctatta caattattga 60  
 gacccctcca atagttattg ttggtgttgt gggttatgtg aaaactccac gtggtctccg 120  
 aacattgaac actgtctggg ctcagcattt gagtgaggaa ttgaaacgta ggttctacaa 180  
 gaactgggtgc aagtccaaga agaaggcctt caccaagtac tctaagcagt atgaaactga 240  
 ggagggaa 248

<210> 31754  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895143H1

<400> 31754

gggtgaaaaag atagccaagg aggaaaagcc agtttctgga gcaaagaaaa tgtcatccag 60  
 ttctgcccgt cccccaaaac taaaaactat gattaaatct aatgatgcaa cacgagacaa 120  
 aataagggaa attctccacg aggctttatc caaggttact ggagaagctg atgaagatct 180  
 tgtagatgta gtcaataatt ctgatcctat ccgtgttcac tgtgacagtg gagtctgtat 240  
 tatttgaaa 249

<210> 31755  
 <211> 249



<212> DNA  
 <213> Glycine max

<223> Clone ID: 700895144H1

<400> 31755

gaagaagaaa cttaatcgat catcacttca cttcactaat acatcatggc agacgattcc 60  
 cagaacaagt atgagagctc tgaggttgag gtccaggatc gtgggtgtttt tgactttctc 120  
 ggtaagaaaa aggatgaaga agacaagcct catcctcagg aggaggatcat cgccaccgag 180  
 tttcaaaaag tcaactgtctc agaccaagga gagaacaagc acagcctctt agaaaagctt 240  
 caccgatct 249

<210> 31756  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895145H1

<400> 31756

tcgcgagcgg cgccctttat agtagtttta tccttgcaga gtcttaggtg ttttgtttaa 60  
 gttatatattt taagtttctg ccgatttcat gtagccgtaa ctttcaaaac taggttcttg 120  
 atcggcggtg gtcaattttc attgctgttt gtttttgatg agtactgttt tttgttttga 180  
 tggtagaag agtctgagat atttcaatt tcacaagcag ctatagggtt ttagtccatt 240  
 tcctttgctg 250

<210> 31757  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895147H1

<400> 31757

gtgaatttct gcatagagca gctgatctta cattggtgcc atcagctgcc attgcaaaag 60  
 atcttgaaga agctcgagta acagcagcga acaagatttg tctttggaac atgggtgtcg 120  
 attctgaaag tttccatcca cgattcaagt cccatgaaat gcgattaagg ctgagcaatg 180  
 gtgaacctga gaagcccttg atagttcatg ttggacggct tggagttgag aagagttaga 240

ttttctcaaa ag

252

<210> 31758  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895148H1

<400> 31758

gtcaaagctt ccggcaaatac aagagcaaaa acatgctttt ttggtaaaag ttgcatcaat 60  
aaggagggtt gtccttggtg caccattgag agtaatttta gaacatcttg ctgccagaac 120  
tggtgctcca gacctggatc cacttggtgc ccttggtcat cggcctaata agtctttctt 180  
tctttttcct caggctgata aggtgactgt agtgtatcct atgagattca acgattcaat 240  
agacattggt ctcg 254

<210> 31759  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895149H1

<400> 31759

cacaaccaag atgtgaactc tctggggctg atttcatcaa ggaagactca tgaggctatt 60  
gagatcctca agtcatgtc ctccactttc ctggctgccc ttgccaagc cattgacttg 120  
aggcatttgg aggagaattt gaagaacacg gtcaagaacg ttgtgagtca agttgctaag 180  
aggactctca ccacaggtgt caatggagag cttcaccctt caaggttttg tgagaaggac 240  
ttgctcaagg t 251

<210> 31760  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895150H1

<400> 31760

tctatccgga attcggtgtt agcttttaaag tctcgctga cgctgcagga catttttatg 60

gcagtgaagt ctcagaatgt tcagcgggca aatacccatt gttacctgcc gctgggccccg 120  
 aaacacacgc actcgccaac tgcaactcat ggacaactgc aatgaatcat cacatgcttc 180  
 atcaacttac ggggaatcccc tcggatacca tccccgggtgc ccattgccgt tatcgagag 240  
 ccggttcca 249

<210> 31761  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895122H1

<400> 31761

tcattggtctt ccaagtttga ggagacatgg ctgagccaaa cattgctagc agatggtctt 60  
 tacaggggat gacagctctc gtcactggtg gatccaaagg aatcggatat gctatcgtgg 120  
 aggagttggc acagcttga gccactgtgc acacttgccg tcggaacgaa gctgaactca 180  
 acgaatcctt aaatgaaccg aacacaaaag gatacagagt aactggttcc gtctgtgacg 240  
 tggcgtct 248

<210> 31762  
 <211> 96  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895075H1

<400> 31762

cagggtctttg acagctgcac tggaaagaga gttatggtca accgccacaa tcaatgagga 60  
 ggttttgaga actctacatg tgatattcat gaactt 96

<210> 31763  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895076H1

<400> 31763

ctcttttggg ctttctctt tcgttctctc tctttcactc gcgtcttcga gtttcacagc 60

gaagtcgtag gaggggtttca aaagatggag aacatgcaga gcttctggca attgggcat 120  
 gaactccgtg gacactcaaa agcatcggag gatcacaaat ggttaatggt tgcttcgaaa 180  
 ttggcggaac agacaagatt gaagggggag cgtgtgaaca accttgatct ttcaaagggc 240  
 c 241

<210> 31764  
 <211> 158  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895077H1

<400> 31764

gaaacatatg ctccattcaa gagcctgctt ccaatggtga accctgatga tgttgtgttt 60  
 gggggatggg atatcagtaa cttgaacctg gctgatgcca tggccagggc caaggtgttt 120  
 gatatcgacc tgcagaaaca gttgaggccg tacatgga 158

<210> 31765  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700895078H1

<400> 31765

cttcttcgct cccccccgc tcgttgacct ccgattctcc cctcatcgga gctcaaattc 60  
 ccgatccctc ccttcatatc gcttcacggc aaccttctct tcacccatcg caagatctag 120  
 ttgaatctcg accggttcga agctctactc actcaaattc tcttcagatc tgggggggttt 180  
 gattgcaatt ctactctng ctgctcggat ttgttcgttt gaaatgtcga ttttaccgaa 240  
 aggcg 245

<210> 31766  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895080H1

<400> 31766

gaaagagaaa gatcacagta agagaattca tctttctttg cgaacagcta aaaacctcta 60  
 agggaaagaa ggcataaata gaggtgttct tcagagctca ccagtgaac aaatgatgac 120  
 tggaaccct aactggtgga acatcaatat caatagcatg gctccacaag ctctccttt 180  
 cttgtccact cctaacaact ttcctatccc ttgtgctccc acttctcttc cctttccttc 240  
 ttggcat 247

<210> 31767

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700895082H1

<400> 31767

ttagcagact ctgctgcagt gaggtgaggg gaggtttgtt tgttgtttcg tttttccttt 60  
 cctttccgcc agaatccgtt gagaatggcg ttgccggtag tcgtcgatgc agagtacctc 120  
 aaggaggtcg acaaggctcg ccgcgatctc cgcgactca tcgctaacag gaactgcgct 180  
 cctctcatgc tccgattagc ctggcacgat gccggaactt acgatgctaa gcccaa 236

<210> 31768

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700895083H1

<400> 31768

ggctggtcaa tttactgttg taacctcacc attaccgatt atttccagac ctaccagttc 60  
 acagatctgt tctccaagcg gaactcgccg gtggcgacag cggtcggatt ttgggactac 120  
 cactccttca tcgcccgcgc cgcgcttttt gagccggaag ggttcggcac caccgggaac 180  
 aagacgatgc agatgatgga gatcgccgcc ttcttcggac acgtcggcag caagacctct 240  
 t 241

<210> 31769

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700895084H1

<400> 31769

aaagtatttc tgcttcttgg cctgctagta cgttggtctc gtgggacagt ttattctcga 60

gtttgtaatt ttttaacata gggaattcaa 90

<210> 31770

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700895085H1

<400> 31770

ggaagaaatt cgcaaagttg ttgaacttca agaaggagct gatattgatg ttctgttca 60

tggagaacca gagagaattg atatggttga gta 93

<210> 31771

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 700895086H1

<400> 31771

caacaacatc tctgtgcaaa accagatttc taaggaagca actcttgagc attcagacaa 60

tggacatcca agcaatgcaa cattgggttga tcacggagtt tcatttgaat taaccgggga 120

aaatgttgcc cgggtgc 136

<210> 31772

<211> 156

<212> DNA

<213> Glycine max

<223> Clone ID: 700895089H1

<400> 31772

gggaagggat tgaggatgct attggtggga agagaagggtt tcagtatgag gatgaagtga 60

agaagaatcc gttgaattat gattcctggt tcgattacat aaggttggaa gaaagtgtgg 120

gggataagga gagaatcagg gaggtttatg agaggg

156

<210> 31773  
 <211> 68  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895090H1

<400> 31773

atcctcttca ctttattaat cgattctagt tgctctcttc atcctacagc cacaacaagc 60

ctcccccc 68

<210> 31774  
 <211> 115  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895092H1

<400> 31774

aacgcgtcaa cgaaggcggc ttctctcgtc tcgtctctgc tttctcctt tcgctttacg 60

ttttcgtgtc gccgccggtg agggcgaaaa agtgtttccc tgagaagaga atttt 115

<210> 31775  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895095H1

<400> 31775

tcgctggcca aatgtgattg tgcagtttga agatttccaa agcaaattggg catttaagtt 60

attacagcgg tatagaaata cctacagaat gttcaatgac gatgtgcagg gaacagctgg 120

agttgcaatt gctggacttc taggtgctgt acgggcgcaa ggaagaccaa tgattgactt 180

cccaaagcag aagattgttg ttgctggtgc tggaagtgct ggaattgggg ttcttaatgc 240

agcg 244

<210> 31776  
 <211> 112  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700895096H1

<400> 31776

gaaacaactt ggaggcatag taactggcca tgatgctaag catgagaatg acttcgcgtg 60

tccctcagag actgaattct gcgaagcact tggatcagtc tcatatggag ag 112

<210> 31777

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700895101H1

<400> 31777

ccgaatctcc cagagaaaca aagaaaagaa gaaaatggct gtggccaaca atgtgctttg 60

cattttcttc attatctcct taacatgtat ggttcaagct cgaatcccag gggtttactc 120

tgctggtgca tggcaaagtg cccacgccac cttctacgga ggctccgatg cttccggcac 180

catgggggga gcgtgtgggt atggaaacct gtacagccag ggttatgggt tgaacacggc 240

ggcattgagc acggcg 256

<210> 31778

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: 700895102H1

<400> 31778

actggcagat cgggttttcc cttgtcactt ttgtataatt attttggag aatttatgat 60

gtcaaagtta ttgtttaata ttaatggcga cattgtatatt attatttgta aaatattggg 120

actcaactat gctttggtac cttt 144

<210> 31779

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895103H1



<400> 31779

tggagacaaa gcagtgatgt gtcatatgct aaatttcaga gctggagtat tttactgcca 60  
 tgaagtcogt gaaacaacag cttgcatgga tccattcgtg gctggatgat gaacaaaaac 120  
 tcaggcactt gctatttgcc actcatatac ttctggaatg aatcatcaca tgcttcatca 180  
 acttatggga gttgaccctg gaactaaccg tgtttgccat tgccttggac gcaaggccag 240  
 ttcattgg 247

<210> 31780

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700895105H1

<400> 31780

atgggtcagc caagcaacct acctaggcaa tccagttcca tggggcacc tacccaccat 60  
 tctggccatt gaattccttg ctatttcctt tgtggagcac caaaggagca tggagaagga 120  
 cccagagaag aagaaatacc ctggtggtgc ttttgatcct ttgggatact ctaaggaccc 180  
 taaaacattc catgaataca aagtcaaaga acttaagaat ggacgtcttg ctatgttggc 240  
 ttttgtggga 250

<210> 31781

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700895106H1

<400> 31781

tgctgctata ccaagtgggc atgtggcacc taatattgat ccagtgttga ataaccacat 60  
 gaatgagatg tctgcatacc atgcaaccat gatgtctagc actcttgga cctcaactgt 120  
 tgtcttcact agaacgggtt tcattgctgt ccttctgagc cattatcgtc cttcgggcac 180  
 catatttgct tttacagatg agaagagggt acaacagagg ctggctttgt atca 234

<210> 31782

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895107H1

<400> 31782

caggaatttg gagagtattg atatatcaag gtaggataaa ccagtagcca aggaagatat 60  
 ggagttttct atgattttca ttgtagcaa cattatgctg cttttcagtt cagcatttgc 120  
 caaaactgct agtcctccct ctctgagccc aactccagca ccagccccgg caccagactt 180  
 cgtgaacctc actgagttac tcagtgttgc aggtccggtt tcacaccttc cttggatacc 240  
 ttgagtcca 249

<210> 31783

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700895108H1

<400> 31783

atatcaggca attcaaagac agctcatgct agatgaagat gatgatgaga gacttgctgg 60  
 cagtgaccgt gtatctagtg atggaagcag cctgtggggt gatatttaca ccatcactta 120  
 tcaaagggca gaaaaccagc cagataaggc atccaatggg ggatcaagtt caaatacttc 180  
 aaaatctgcc aaatctgggt ctgcattaaa ttccagctca gaagctaaat tgcacagac 240  
 atctgttcta ga 252

<210> 31784

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700895109H1

<400> 31784

gttttaggcc gtttgaatcg gatagaatgt gttgcttttt ttttttccgg aaagatggaa 60  
 tcttctcagg gtttacatat ttggtaattt aattcaaatt tcattaggat tttcgaagg 120  
 cgccaatata tagctcttag tcatgatatc tcgattaatt cctctttata gctctttgat 180  
 ttcttcctaa tcatgagcac aatatgtgtg tggaatgggt tacttggttaa ggcttctgtg 240

tgaagattat tag

253

&lt;210&gt; 31785

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700895111H1

&lt;400&gt; 31785

caacaaatca gaaagattta tgaggaaatt taccaagagg acctcatcaa acgcctagag 60

tctgagctct ctggtgactt tgagagagct gtgtaccgtt ggatgctgga acctgcagat 120

cgtgatgctg ttttggccaa tgttgccatc aagaatggca gcaaagggtta ccacgtgatt 180

gtggaaattg cttgtgtgcc ttcagctgaa gaggtcttgc gcgtgaagcg tgcctagcac 240

aaccgttaca 250

&lt;210&gt; 31786

&lt;211&gt; 252

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700895113H1

&lt;400&gt; 31786

gttctcttga gcgggatgaa gtatttgtgc caaagcagaa gtcctgtatc aagtgggtact 60

ctaaatacct taacaatcct ccaggcagag tcctcactct tgctgtcacc ctcacacttg 120

gttggccctt gtacttggct ttaaagtgtt ctggaaggcc ttatgataga tttgcttgcc 180

actatgaccc atatgggtccc atttactctg atcgtgaacg acttcaaata tatatatcag 240

atgcaggagt ac 252

&lt;210&gt; 31787

&lt;211&gt; 254

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700895114H1

&lt;400&gt; 31787

caaagtttca aactttctct gcttcctctg ctctccagg gtaagaactg ctttcccttt 60

cgagttttaca gtgatttgat tcttgcccct tttgtggttt gatccaaatc aaaggacgtt 120  
 tctctactgg tgctttgatt ctaagttttg gtggggggaa atgatgggaa attagggcct 180  
 gggctctggaa tttttcatca tttctatcga aaaattgtac cttgttgtgc atattttgtt 240  
 aaaaagtttc gatt 254

<210> 31788  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700895074H1

<400> 31788  
 ctcgtgncgn tcgagccgat tcggctcgag cttttcagct ttcattggtg tggcctagct 60  
 actatttcaa ttagaaagcc ttcattctctg caaagcgcac ttttgcgctt tggggttccc 120  
 ttgttgcttg ttatcacctt ctgttatgct acttctactg ctgcagcaac aactcaagtt 180  
 tcagggaatg aagagctgcc aaagacaaac ctaaattggc atgatgaaga agcaaaattc 240  
 gga 243

<210> 31789  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895115H1

<400> 31789  
 caaggttctg gtgatgctag gaaccaagca cagttatatc aagactcgtc catattatat 60  
 catttttagag acatgcagag aagacaggtt gagtttataa aaaaaagagt tcttctcttg 120  
 gaaaaagggc tcaatgctga gtaccagaaa gaatactttg gtgatccaaa agcaaatgaa 180  
 gtaacaaatg aagaacttaa aagtgaacc aaggctacta attttccagg tgataaatta 240  
 ggggacactg aca 253

<210> 31790  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895117H1

<400> 31790

gttttcatat ggccaacaca ctatataacg gcgccacatg ccgaatccct ctccggaacc 60  
aatccctggc cttctctcgc cacgtttcca gatccctctc tttcctccct ataacacgtg 120  
cggcaaaaca acccaacgca attgcggta aggtctcttc gcactctgac ttcgacgttg 180  
acctttcgct cagtctctgt gtcaatgccg tcaagccttc caaaaccgtc gccatcagcg 240  
accacgccac cg 252

<210> 31791

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700895118H1

<400> 31791

catcgttctc gatctccgtc ccggtctcgg aattggaccc ttctccctcg ggatgcctat 60  
atgtgaagca tttgctcaga tagagcagca acctaacata tacgatgtgg tgcagtgtcaa 120  
gtattttgat gaggaacccc tgaagttgga tgttgttatt agctttcctg atcatggctt 180  
ccatcttcgc tttgatccgt ggtctcagag attgcgcctt attgaaatat ttgatgtaaa 240  
gcgacttcag 250

<210> 31792

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895028H1

<400> 31792

ctagttctag atcgcgagcg gccgcccgcg atctagatca agctaggccg cagatctgta 60  
gctcatagt gattgttgcc tcgggcagtt atatcacacc agcaaaacca ggaccaagcc 120  
caaggaatgc ttactataa caatccccca cctcctcagc aggaaagaag ctactacca 180  
tcaatggatc ctcaaagaat ggggtgctctt gtttcatccc aagatgggcc tcccgggtggg 240  
ccttctggg 249

<210> 31793  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895029H1

<400> 31793

ggaatactgg gacttggatt tcaggagatc tcagttgaaa atgctgtgcc cgttatgggtt 60  
 caaaatgggtg gagcaaaaac ttatcagtga gaagggtgttc tctttttggc ttaatgggga 120  
 tccgaatgcg aaaaaagggtg gtgaattagt ttttggtggt gttgacccaa agcacttcaa 180  
 aggaaaccac acttacgttc caattactga aaaagggttac tggcagattg aaatgggaga 240  
 ttttttcggt ggt 253

<210> 31794  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895033H1

<400> 31794

cttgggctcg ctaagcgagt aggagcaagg attctgctta catcaacttc agaggtatat 60  
 ggggatcctc ttgtgcatcc ccaacctgaa agttattggg gcaatgttaa ccctattggt 120  
 agattccttc atttcattct caacttgcta aagcgcttat aataaggaac tatttctgta 180  
 tctttttata catattaata aagatgtaga ctgaggactt aaatatatga taatatcagg 240  
 agttcgtagt tgcta 255

<210> 31795  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895035H1

<400> 31795

aaacagtacc cattttcttg tgtagaaaaa agagagcgag agcagaagag aagagtgcag 60  
 cgcaagctta gaagagcaaa gtgtgtgatg tggttggaca ttcagtccca atcacatggc 120

ttcttcttct ccttctctc catcttatct cacacacctt cctcttcac cctctcatca 180  
 aggtgagagt gagaagcgcg tggaggacga tgaatcgcg gtcccgctc acatcgtgac 240  
 cgcggcgac 249

<210> 31796  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895036H1  
 <400> 31796

aactaattgg catgcttgat gaggtggggt caattggatc acaaaatggt taagggctta 60  
 ttttaaaactg gctcttgatc attttttatt gggtaaaaag gggttcctaa ttctaggggt 120  
 cttattgatt attggggaat ttttaattttt catttctgaa agctttttca acctttttgc 180  
 tgctgaaagc tagcagagag ggagatttaa aatttaaaat 220

<210> 31797  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895037H1  
 <400> 31797

gagctgcaa agacaaacct aaatgggcat gatgaagaag caaaattcgg attttttcat 60  
 cataaaccaa tattcaagaa acatattcca attccagtat ataaacctgt ccaaagcca 120  
 tttccagtgt ataaacctat accaaagcca gttccagttc cagtgtacaa tcctattcca 180  
 aagccagtgt ataagcctat tccaaagcca gtgtacaagc ctattccgaa gccagtgtat 240  
 aagcctatt 249

<210> 31798  
 <211> 139  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895038H1  
 <400> 31798

cttaaaataa aattcattgt gttatgtata atcgccctttt taaacatgat cagaagtcac 60  
 tttttattttt gcacattaat taatgattat atcatgatat cttgtttcaa cggtataaaa 120  
 agttgctctt acgttgaaa 139

<210> 31799  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895039H1  
 <400> 31799

gttttctata tcactctcaa ctttactcct cttcaatcag ttgcatattc tttgctattc 60  
 caatggccac tgttgagggt gtgtcagcca aggttgccct cccagaggac acaaaagagg 120  
 catcattgaa ggttgacgag gagaagaaca cagaagaagt tgttgagact ccaacaccag 180  
 aactgtggt cactgagcaa accaaggagg aaagtactga ggccccacga cctgcagctt 240  
 cagaagacaa gccct 255

<210> 31800  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895042H1  
 <400> 31800

tggtggcgac aatgtcgact cctgctagga agaggctgat gagagacttc aagaggctgc 60  
 aacaagaccc gcctgcaggg atcagtgggt cccccagga taacaacata atgctgtgga 120  
 atgctgtcat atttggtcct gatgatactc catgggatgg aggcacgttc aagttgacac 180  
 tccaatttac tgaggactat ccaaataaac caccgactgt acgatttgtg tctcgcatgt 240  
 ttcattcc 247

<210> 31801  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700895043H1



<400> 31801

cagatctatc tcgtgcacca aataatatat gccaaacttgc cagtgccagt gagaacgcag 60  
 ttacttcacc atttgagaat gaaaaagggtt caaatctaata gatgatgaga ggaatgacag 120  
 ccaaggatat agaccctgta agatattcag gaagatgggtt cgaagttgct tcacttaaac 180  
 gtggatttgc aggacaaggc caagaagact gtcattgcac tcagggtgta tatacatttg 240  
 atagggaag 249

<210> 31802

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895047H1

<400> 31802

gtttggaatt actgtagttc catctgttct gttagatatt ggaatgacta tctctccaga 60  
 aagtcctcgg tggctctttc agcaaggaaa aatatctgaa gctgaaaaag ctgttaaaac 120  
 actatatgga aaagaaagag tggcttttgggt tatgcatgac ttgacagcag caagtgaagg 180  
 ttcttctgaa cctgaagcag gatggtttga tctgtttagt agtcgatata ggaaagtgggt 240  
 cagtgtaggg g 251

<210> 31803

<211> 252

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895048H1

<400> 31803

ggtttttctga atcagaaata tactcggaga aagaaactga atcgcttacg cacgcgttaa 60  
 cattaccact ttcttactta cagcacagca ctctgctaa nctttcgtct tcaatttccc 120  
 tttggatttc attcattaga tggattcgag ttcggggcat caagaattcg attatttggt 180  
 taagttgttg atgattggag actctgggggt tggcaagagt agtcttcttc tcagtttcac 240  
 ctccgatgct tt 252

<210> 31804  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895049H1

<400> 31804

gcttttggcga ctagatgccc ccattctgagg tccctaggac tgtactactg caagaacatc 60  
 acagatagag caatgtattc cttggcacac agcaaggatga acaacaggat gtgggggaact 120  
 gtgaaaggag gaggaatatga tgaagatggt ttaaggactt tgaacattag ccaatgcact 180  
 gcactcacc cactctgctgt tcaagctggt tgtgactcat tcccttctct ccacacatgc 240  
 tcagggaggc a 251

<210> 31805  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895050H1

<400> 31805

aaataaaata aactttccct gttcaagaat ctcaagtttcg actttgaagc cctatctgcc 60  
 gcgacgcgac ttctccgac taggcaacca gaggcttat aaaaggaata gtagtaagca 120  
 cattcatctc ccctagatat gaactcagtt gcaaggcggt tatcaagctt agtcagacat 180  
 tcaggtttca cacctgaacc cttcaataat gggcatcatc aaatgcagca gtcacagcaa 240  
 tgcagaggc 249

<210> 31806  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895053H1

<400> 31806

cgcaatgcag acgaggactg ttcaagttaa gcagctttca gatctagctg gtgtaagaga 60  
 gattcacgag ttcttctcct tttctggaga aatcgagcat gttgagatcc tgagtgaaga 120

tgggaaatca aagactgcat atgtgacatt taaagatccc aaagcacttg aaattgcatt 180  
attattatcg ggagcaacaa tagtagacca ggttgtgaag ataactccag ctgagaacta 240  
tgtaccaa 248

<210> 31807  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895054H1

<400> 31807

gcaaaagcag cagcagcaac atcaacaaca agctgccgcc atttctcggt tcccttccaa 60  
cattgacgct cacttgcgct ctatcagacc cctcaatctc caacaaaacc ctaaccctaa 120  
ccctaaccctc aatcccgcctc ccaaccctaa ccctaattccc attctcaatt tgcattcagaa 180  
ccctaattcc aaccatctac caccgcagca gcaaccgccg caacagcaac agcagcagca 240  
gcagaaga 248

<210> 31808  
<211> 192  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895058H1

<400> 31808

gcatgatgca tatcttggtt cgagttactc aattatacac tggctgctctt taaattccaa 60  
gagatcagaa atcctgaatg tatcagggca tgtagctcca tgtgagaaac atcctggaag 120  
ccttttggaa ggatttactc agacacagat tagtacactg gctgtgcggg ataagttggt 180  
gattgctggg gg 192

<210> 31809  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895059H1

<400> 31809

cagcattgga gctgtgggca agtcaggaag aggtgtttgt gagctcttgg gtgtggatac 60  
 tgctgatgtt gacattatga tgggtacatt caccaaactct tttggatcct gtggagggtta 120  
 cattgcagga tcgaaggacc ttatccaaca cttgaagtac gcttgccctg gtcactctta 180  
 tgcaacttca atttcaccag cagctgcaca agaaatgaat atcatccata agagttattc 240  
 ttggag 246

<210> 31810  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895060H1

<400> 31810

aaaatatgga cgcagatcag aggataactc acgacttggga gaagttaaca gcggacttgt 60  
 ctggattggt aaccggaatg gtaaagccat ctgtggatat tttgtggttc acatggagaa 120  
 tgaagctatt aacaggtcag agggggggttt ccatactcta tgcttacatg ttacttggtc 180  
 tgggattttt aagaactggt actcctgatt ttggcgattt gataagccaa gaacaacaac 240  
 ttgaag 246

<210> 31811  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895061H1

<400> 31811

cttgtgtaca cccaaccaa ctattgttag atgggtcatct acacctccag tgtcagatga 60  
 agttagactt cagtggaaag gcttttgtgc ctttatagca aatgcatatt ttatgaaggg 120  
 aatggcttgg tgagatgcca tccttgcatc ttttcttttc ttgatatgct tctagtattg 180  
 cacccccacc cccccaaaaa aaaaaagaat attatctacc agaatcggtc tctaacttag 240  
 cggatttg 248

<210> 31812  
 <211> 248  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700895062H1

<400> 31812

tgatttgatg ctaggcaagc cccattcaac caccactcct ctctctggtc acgctacccc 60  
 tttctgctct tcttctacat ttctagtttt aaaagtataa agatggcaga gacattccta 120  
 ttacctcag agtcggtgaa cgtaggacac cctgacaagc tctgcgacca aatctccgat 180  
 gctgtcctcg acgcttgctt cgagcaggac ccagacagca aagttgctg cgaaacatgc 240  
 accaaaac 248

<210> 31813

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700895064H1

<400> 31813

gctttgctta gggtctgttt tgcagacaga gagagagaga gagagtgtgt ttcagaattt 60  
 agagagagaa ttttattttg ttttttttgt tatctttttt gggttctctt acagcgtttt 120  
 tgtaggtact gaggaagaaa gttttggcag aataactttg ttggagagaa taaaattcag 180  
 gcaaggcgtt gaagttggag agtattagat tggaagctta gaagtttctc tttggaccaa 240  
 agaaatggag gt 252

<210> 31814

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700895066H1

<400> 31814

cttgtcagta ttggcaccga tcgttgaatc cgaagaagct aattgatgtt ggattttcaa 60  
 ggcttggggc taggatgacg atgagccgca ctataaaact ttacaaattg cctgattcaa 120  
 cggttactcc tggattcagg aaaatggagc ttcgggatgt ccctgctgtt actcggctgc 180  
 ttaggaacta cttgagccag tttgttggtg cacctgattt tgatgaaaat gatgttgcac 240

at

242

<210> 31815  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895069H1

<400> 31815

ggagttgatg atgcagctgt taaggttggt gacattgttg acacattcag acttcaggag 60  
 caaccgcat tcgataagaa gcagtttgtt accttcacga agaggtttat caagaatttg 120  
 actcccaagc tcgatgcaga gcaacaggag ttgtttaaga agcacatcga gggagcaact 180  
 aaatacctgc tctctaagat taaagatttc caattttttg ttggtgagag catgggtgat 240  
 gatg 244

<210> 31816  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895072H1

<400> 31816

aaagtttcca aattgaacgc aaaaacggaa atttcttcct caaatgcctt ctgggtcgct 60  
 cttctttgca tccagattac gaagtttttg gtcgccagta aggttactta ttcacttgat 120  
 aattccacct tctttttttg tttttatatt ctttatccct caaaccagaa cttatatatc 180  
 taggcaccct ttcaaagaag agagagcttt tctgtttggg tacctttttt ttttggtggtc 240  
 aacaat 246

<210> 31817  
 <211> 138  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895073H1

<400> 31817

ctcgagccgc tctctttctt tttcttccca tttcaccct cgtctttcct tgtttccggt 60

gagggccaac cacaacatat gttaaacaag gaacaacctc caaaacataa catcctacgc 120  
 caaacaaaac tttgacct 138

<210> 31818  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895027H1

<400> 31818

ggaaagggag ggattctcga aggttcccgg gtcacagaga ggtgttactg tacttgcagg 60  
 atttcgctgc tgaatttgaa atcggagaat tggtagaggtt tggaacggag gttttgtttg 120  
 ctggattgga tcagtgtgga aagtggaggc tgacttcaac atcaccccat actcatcctg 180  
 tggatgagat ttacgacgcc ctatcattt gcaacggcca ttacgttcag cctcgtcttc 240  
 ctcatatccc 250

<210> 31819  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894983H1

<400> 31819

ggagtgtgtt tgcagattga tgacaagcaa cccattacg tggaagccta agaggagaag 60  
 acgacgaaga ggacaagggtt aactgaatcg ccgcttctgt gtggcttcgt tctttcgttt 120  
 tagttttttc atcttttttag ctttagaggg taatacatc tttaaaaaa tggaggtttt 180  
 ggtgggtccc gctttcacca tcgacgttcc ttcgtctccg ccgcgggatg gcggttccga 240  
 aaatc 245

<210> 31820  
 <211> 69  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894984H1

<400> 31820

cactcatttt caggctagag aaggtgaact tgagaagatt tcgcagtgtg gccaaagtca 60  
 ttggaaccc 69

<210> 31821  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894985H1

<400> 31821

aaccacagcc ccaacaacaa cgcggcgatt tcgtcgtgtg gggttctgca aagtcacggg 60  
 cttttgtcgt cgccttcttc ttcgtcgatg aacaactgtt tccagttcgc agaaacagta 120  
 ccagacgacg acgcagtacg tgaagatgga ggagcacaat tttctcagcg ccgacgaggg 180  
 ctgcaatttc ttctcggacg aacaagcacc aactctgcag tggtagtgtt cagaggaatg 240  
 gagtta 246

<210> 31822  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894986H1

<400> 31822

gagagcatgg cgtcttggga tcaaattgggg gaacttgcaa atgtggcaca gttgactggg 60  
 gtagatgctg tgcggctgat tgggatgatt gtgagagctg caagcactgc acggatgcat 120  
 aagagaaact gcaggcagtt tgcacagcat ctgaagtga ttgggaactt gctggagcag 180  
 ctcaagatct cggagctgaa gaagtacccg gaaactaggg agcctctgga gcagctggaa 240  
 gatg 244

<210> 31823  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894987H1

<400> 31823



cacttggcat cgcttctcct ctctcccaag aaagaatcat caatggcgat tgaacacgaa 60  
gacgatctca aagacgagaa gaaccctcga cctctcgacg aggatgacat cgccctcctc 120  
aagacctacg gtttgggacc ttactccaca agcataaaaa aggcggagaa ggaaatcaaa 180  
gatatggcca agaaagtga tgacttatgt ggtataaagg agtctgatac tggtttagct 240  
gcaccaa 247

<210> 31824  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894988H1

<400> 31824

tcttcttcgt ctcaaaccctc ttcgttcctt cgattcattc catttcttcc aaaatggcca 60  
aagaccagct tcgcgttctc gtcactggag ccgcaggcaa attggatatg ctcttgctcc 120  
tatgattgct aggggagtgga tgctgggtcc tgaccagccc gtgactctcc acatgcttga 180  
cattctctca gcagcagaga tggagaatgg ggttaaaatg gaattggtgg atgctgcatt 240  
ccctctt 247

<210> 31825  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894989H1

<400> 31825

caaaacggca ggctagaaac taaaatggaa gttgttaacc aaagagatgc agaacttttg 60  
ttcatgtggc aaatgtatca gagatcaaac catcagtcag aaaataagac agacatcctc 120  
aaacaaattg cggagacagt gaagcatagg aaacacatag atggtagcgt ggaattgatt 180  
ggagttttac tgtatggacc aggaaaagggt tcttctgttc tacaatccgt gagggctcct 240  
ggttcgt 247

<210> 31826  
<211> 246  
<212> DNA

<213> Glycine max

<223> Clone ID: 700894990H1

<400> 31826

gctttgttga cacaagtaac cgtgtcttta cccagaactt gaggcccggg gagtcgtttg 60  
 tgttcccaaa gggcctgggc cacttcttgt tcaatagtga ttccagggaa ccagcaattg 120  
 ccatatccgg tctcaatagt cagaaccag gtgcacaaat tgcatactt gcaacatttg 180  
 ctagcaagcc tccaatccct gatgacattc ttaagaaggc tttccaaatt tccaaaggag 240  
 aagtgg 246

<210> 31827

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700894995H1

<400> 31827

ttagttatct aattacctca attagtcctt taattgcaag catcatggct gaggagaaac 60  
 accaccacca cttccaccac cacaagggcg atgatgtgcc tggcgagggt gattataaga 120  
 aggaggagaa gcaccacaag catcttgagc accttgggga acttggtgct gcggctgccg 180  
 gtgcttatgc cttgcatgag aagcatgagg ccaagaaaga cccagagcat gctcacaggc 240  
 acaaggtaga agaggaga 258

<210> 31828

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 700894996H1

<400> 31828

tggaaatgct ggatttctat tcggttacca tatcttatag acatattgta gtgttttctg 60  
 ttttgacatt atgggtcccc gagtagtgag ttttttcccc ccttaagttg gccaaacttt 120  
 tgttgagact gatcttttaa aaaattccaa attgtttgat tttatataaa agaaaaaaaa 180  
 gaagaaaaaa aaaggaagaa 200

<210> 31829  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895001H1

<400> 31829

attctactta ccttttctct taatccaaat atcatcatct gaaacgatgg ctgccatggc 60  
 aaccacaacc ctctcttcaa acccgaaact ctcatctttc cacggaaagc cgtttacata 120  
 ttcttcccg cgtcgaccca ccaccaagtt attctcatcc aaacaaggca caatctccat 180  
 gtccctaacc caaccctat gggatctcaa atctttaata ttccacccca tcaaagactc 240  
 catcgtctc 249

<210> 31830  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895002H1

<400> 31830

ggagaacatc ccatggaatg gagtagacga gtgggcacta aaggatgaag tgaacagact 60  
 cattaatgtg acccttgtgg aacgagagag agaaattatt cgactttatt atggactgga 120  
 aaaagaatgt cttacgtggg aagacataag caaacggata ggtttgtcaa gagaaagagt 180  
 aaggcaagtt ggacttgttg cattggagaa actaaaacat gctgcgagga agagacaaat 240  
 ggaagccatg ctat 254

<210> 31831  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895003H1

<400> 31831

ttcactctat atatccactt catataattt cctccacatt gtgcaccgtt catggatgatg 60  
 gcaaaactaa agcacccttc attggtggca cttcttctag tactagcgtg tctttttatt 120

gctccaacat cctcaacatc cagaaaaaca agtttcaagc agcagcacc cttgcccaca 180  
 acaaatgggt tccgagtcac gcttcgccac gtcgattcgg gaaaaaactt aaccaaacta 240  
 gagcgtgtcc aaca 254

<210> 31832  
 <211> 145  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895004H1

<400> 31832

tgaaaatgct gctactttga atcacgcgat tccgttgtcc caacagttga gttatttcaa 60  
 ggaataccaa ggccagctgg ccaaggtagc tggcagtaaa aaagcagcct caatcatcaa 120  
 ggatgcgttg tatgtgtcga gtgct 145

<210> 31833  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895005H1

<400> 31833

catataccct gcattaattg gttatatcaa cagagatgac gattggagtt tgggtgcgaaa 60  
 ctcgagattg gtgcaattat tttaaaatgc tagaaatgcc caactaactc ccgtacttct 120  
 agctctagac ccaaaattcg ggaacggtaa agaacgatgc ctccattgac ttcgtggctg 180  
 gtgctgccca ttctcgtgtt gttggcggct ccggcaacaa cccctccagc acgtgcctca 240  
 ccggtcgcgt cgt 253

<210> 31834  
 <211> 136  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895006H1

<400> 31834

cttaaaataa aattcattgt gttatgtata atcgcccttt taaaaatgat cagaagtcac 60

ttttattttt gcacattaat taatgattat atcatgatat ttgttttgaa cggataaaaa 120  
agttgctctt acgttg 136

<210> 31835  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895007H1

<400> 31835

gttttctata tcaactctcaa ctttactcct cttcaatcag ttgcatattc ttgctattc 60  
caatggccac tggtgaggtt gtgtcagcca aggttgccct cccagaggac acaaaagagg 120  
catcattgaa ggttgacgag gagaagaaca cagaagaagt tggtgagact ccaacaccag 180  
aaactgtggt cactgagcaa accaaggagg aaagtactga ggccccacga cctgcagctt 240  
cagaagacaa gccctcgg 258

<210> 31836  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895009H1

<400> 31836

gtttgttgta ggaagaggaa tcttgagaaa tggcagggga cagcaagagc aagattctgt 60  
tcatcggagg gactggttac atcggaaaat tcatcgtgga agccagcgcc aaagctggcc 120  
acccaacttt ccttttggtg agggagtcaa ctctctcaaa cccggaaaat tcacccttca 180  
atggccattt ccaaaggctt ggtggcaatc ctggttagg gagtctatac ggtcacaaaa 240  
gtttggtgag tgcta 255

<210> 31837  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700895011H1

<400> 31837

actagtacta atctcttaaat tctctttggc catttcttta gtaacattaa gataatgtaa 60  
 cctgtggaaa tggcacetta tggtagattc attgctaaca ttttgatagc tgtgatgttt 120  
 gtgtgcttgt tttttgtgac caacattgtg gcacaggatt cagagattgc tcctacaggt 180  
 caattggagg ctggaactgg gtttgatttg cctgtttcta aggtgatgat gtgttcttca 240  
 gtgttgcat ct 252

<210> 31838  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895013H1

<400> 31838  
 cttcgttgc tggatggtc cctttctgtt ctcttctc tgggtcttgc gagagaaagc 60  
 catgccagag acgaagattt ttggcatgct gtttggccaa acactcccat tccaagttca 120  
 ttgcgagacc ttctaaagcc tggccctgca agtggtgaaa tcgatgatca ccctatgcaa 180  
 attgaagaaa cacagtaccc gaaaaccttc ttctataaag aagaccttca tccaggca 238

<210> 31839  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895015H1

<400> 31839  
 aagctcattt tgtatcatgt atgtactgta gctaaactaa gtttcaccct gaacttgctt 60  
 gtgagtctgc tctcgataga acagtcttgt acagtaacga aaaacgctgt aaccaggctc 120  
 ttttctatat tgtctcattt tgtgttatgc ttatgttgat ttagcttgta atggaagtca 180  
 tttccaattg tttggattaa tgtatgatca aaaaaaaaaa aaaaaaaaaa aaaaaaattt 240  
 aattt 245

<210> 31840  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895016H1

<400> 31840

tgctgctgct gctgctgctg catcaactcc ttattcttca tacatgtcca ctgtggctgt 60  
 tacaccaatg gctcaatctc atcgcatgaa aaaggctcct tcaaactctgg gggatgatcc 120  
 tttaaaaatg tcagttatgc agcgtcacaa actaatggtg cactcagtgt tgctgggtgt 180  
 ctttcaaatg tcaaaatttt gagtaaactc aagggttctc gggaaatgga cggccctgaa 240  
 agtaggggtt tgca 256

<210> 31841

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700895017H1

<400> 31841

gaatttcaca ctccctctcc caaactcatc atcctataat acaaagggtt tggaatatat 60  
 atcaaataatc aaaatacatc acaacatcaa aatggcctca attgttacta tggccaccat 120  
 tgtcacatta gtccctgcac tagcatgttg tggcatgtct gccccgacct cagtgccgaa 180  
 aaccactgca gcggccccgg ccccgagag caatggctgc ttgatggctc tagcacacat 240  
 gtcagattgt 250

<210> 31842

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895019H1

<400> 31842

ctcagaccaa aattaattac atcctcgctc gcagcgaggt tctccactgg ggcgacacca 60  
 acatgatccg cagcctcgtc cctgccatga gaacccttca ctcagccctc ctagccgagg 120  
 gcataaccga cattaaggta accactgctc actctctggc gataatgcgg tcatcgatac 180  
 caccaagtat gggctgtttc agggccgggt acgcaaagca cgtgttgacc ccaatgctga 240  
 agtctct 247

<210> 31843  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895021H1

<400> 31843

tagcaatggc agaacaaaac caaaaccaa caactgaagc tgtaaggcac caagaggttg 60  
 gtcacaagag ctttctccag agtgatgctc tttaccagta tattctggag acaagtgtct 120  
 acccaagaga acctgaatcc atgaaagaac tgagagagtt gacagcaaaa cacccatgga 180  
 acatcatgac aacctctgca gacgaagggc agttcttgaa catgctcctt aagctcatca 240  
 atgccaagaa c 251

<210> 31844  
 <211> 93  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895025H1

<400> 31844

atcttcttgt ttatatagta tagaattctg tgttatgggc gatgggattc atttattggt 60  
 tcggaataat agacaacata atgaccacaa aaa 93

<210> 31845  
 <211> 92  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700895026H1

<400> 31845

atcttcttgt ttatatagta tagaattctg tgttatgggc gatgggattc atttattggt 60  
 tcggaataat agacaacata atgaccacaa aa 92

<210> 31846  
 <211> 243  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700894982H1

<400> 31846

ctatttttca agtaacttaa ggtttcaaac ctaggaagtt ggaagtcacg gcagcaacat 60  
 tgatggcagc aacaacaagt tctggtactc ttaaagcaac tcctttcctt ggccaaggca 120  
 aggggtgcaa tgccaatgct cttagggatg ttgtctccat gggaactggg aagtacacca 180  
 tgggcaatga tttgtggtat ggaccagaca gagtgaaata cttgggaccc ttctcagctc 240  
 aga 243

<210> 31847

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894941H1

<400> 31847

tggatttga aactttctct attattatgt tagaaaagat tttagccttc cacgttttgc 60  
 tcagatgatg tggcggttta atttttttgt ggccttctgt tgtattgtgc ttaacaatga 120  
 ctatatgctc tactatatat gcccaatgca cacgcttttc actttgatgg tgtatggagc 180  
 attgggtata tataacaagt ataatgaaat tccctctgta atggctgcaa agattttggc 240  
 atgctttctt gt 252

<210> 31848

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700894942H1

<400> 31848

cggctcgagt ttaactgttc aaaagtgttt ttgaatctgc ctgccaataa tgacttagat 60  
 ttctttggag gcacctgagt gtcagtttct cccttaccta cccttcctt tcccttcatt 120  
 tgatattggg atcctgtaac caaaagaata agtgtcttcg cttctgatga gcagttatca 180  
 ttgtttattt ccaaacttca atctctttta ctcttaagtc ttgttttgga cctggcctcg 240  
 atgaagaaaa aataa 255

<210> 31849  
 <211> 193  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894943H1

<400> 31849

cactctctct ctctctctct ctcattcaca cgaatcacac tctccacagt gcgattcatt 60  
 caccaatgga tgcgaacggt gttctctctc ttgcattcat ctgcattgta gtcgccggcg 120  
 tcggaggcca gtctcccgcc gcagcgccct cgaacactcc ggcaaccccc gccgccgaga 180  
 ctcccgccca agc 193

<210> 31850  
 <211> 89  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894945H1

<400> 31850

aatgtctggt aattggtcgc ttctgtataa agttcggcta atctgaatta tgaatctctg 60  
 cttataatat taaatactat tactggaag 89

<210> 31851  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894946H1

<400> 31851

tttttctctc acctgaaaat gtcttgctgc ggtggtaact gtggttgcg aagctcctgc 60  
 aagtgcggca acggctgcgg aggctgcaag atgtaccag acttgagcta cactgagtca 120  
 accaccaccg agaccttggc catgggagtg gcacctgtta aggctcaatt tgagggtgct 180  
 gaaatgggtg tgcccgtga gaacgatggc tgcaaagtgt gaccaaactg ctctgcaac 240  
 ccctgcactt gcaagtgagg t 261

<210> 31852

<211> 79  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894948H1

<400> 31852

gtgaacaact tgcaatttgc tcaactgagta ctcatggcca cagtgtactc gcgtcgactt 60  
 tggtaatgaa gcgagtgtc 79

<210> 31853  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894949H1

<400> 31853

gtttctacca ttgattgtgc caccaacaat ttatcaagca ggtcttttgt caacttggtt 60  
 gaccgtgctt tggtctttga agatgtttca agctttggct agagatcggt tggaacggct 120  
 gaatgcatct ccgtctgcta caccctggac atatcttcga gtatattcag cattgttatt 180  
 tgttttcatg gttgatgttc tctggataag gttttgtctg acaatatatc aagcacatgg 240  
 gtcctctatg tat 253

<210> 31854  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894953H1

<400> 31854

gagaaagaga tagtgtggta gagagagagg agcggaggag agaaaatgac gacgagggtc 60  
 aagaagaaca ggaagaagag aggccacgtc agcgccggtc acggtcgtat cgggaagcac 120  
 cgcaagcatc ccggtgggtcg gggtaacgcc ggtggcatgc accaccaccg catcctcttc 180  
 gacaagtacc atccccggtt cttcggaag gtgggtatgc gctacttcca caaactccgc 240  
 aac 243

<210> 31855

<211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894956H1

<400> 31855

attgtttgtt gttgtaactc gttcttcttc ttttgttgtt ctgtgtttgt gtttgttttt 60  
 tctctcacct gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcctgcaagt 120  
 gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca 180  
 ccaccgagac cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa 240  
 tgggtgtgcc cg 252

<210> 31856  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894958H1

<400> 31856

ttctgcgagt aaagagtgca gaaggaaaat gggcgaggca tatgcattga ataaagaatt 60  
 aaatggtttg gttagtgaag atgatctgaa aaatttgagg aggaaattag atgagagtga 120  
 agggcaagag gctggagcta aaagatataa gcaacagctg attggctgac ccaaaatttt 180  
 actcgttttt tcaactgccg tgctttgagt tgcagtttat acgtgttagg gatattttat 240  
 tttatgcatt a 251

<210> 31857  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894959H1

<400> 31857

aaaccctaaa cgactctatc tctcttcggt ttgttcttcc ttgcgctcct cctcgttcgt 60  
 tcgttctccc tcgcgtagat cggcaatggc ggagaccgag acgtttgctt tccaggctga 120  
 gatcaaccag ctctcagtc tcatcatcaa caccttctac tccaacaagg aaatcttcct 180

tcgtgaactc atcagcaacg cctctgatgc tttggacaag attagatttg agagtttgac 240  
 ggacaagagc aag 253

<210> 31858  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894960H1

<400> 31858

ctttgttttt tttctctgca gtaatagaaa aaaaagaaag aaagaagaag aagaagaaga 60  
 agaagaagaa gatgttgagg gttgcagcta gaaggctctc ttctctctcc tcctcctctc 120  
 cgtggcggcc caaccacgcc gcttccgctt atgtctctcg aaacgtagtc gttgatgacc 180  
 gcagatccga tccttctctc catccctttt ttcccttcag aggttttgct actgaatccc 240  
 tgatccaccc aataga 256

<210> 31859  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894961H1

<400> 31859

aaccacagcc ccaacaacaa cgcgcgatt tcgtcgtgtg gggttctgca aagtcacggg 60  
 cttttgtcgt cgccttcttc ttcgtcgatg aacaactggt tccagttcca gaaacagtac 120  
 cagacgacga cgcagtagct gaagatggag gagcacaatt ttctcagcgc cgacgaggcc 180  
 tgcaatttct tctcggacga acaagcacca actctgcagt ggtactgttc agaggaatgg 240  
 agttaagagg gaagaaga 258

<210> 31860  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894963H1

<400> 31860

ctaagtgggtg ttctacaagc aaaagacgat aaagctcgta gggaaatgaa agctctgtta 60  
 tcaagattgc ttaaagagaa tgtgtctaata gatagcagca gacttgatgt ttctaaagac 120  
 acactttatc atctttgccca taagtgtatt ggttctcttc tctatgcct gtccgaagca 180  
 gccagcagcg atgagaagct ggatcggggg gctataatga gcgacataac tcgtgaagct 240  
 gacaatatc agtggattg 259

<210> 31861  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894965H1

<400> 31861

gtttcaccgc acgaatatct tgttgtttgg agcgatccga gaaaaactct gtaaacaatgt 60  
 tggtttacca ggacctcctt acaggtgatg agcttctctc tgactccttc cgttacaagg 120  
 aaattgagaa tggaatgctg tgggaagttg aggggaagtg ggttggttaa ggagcagttg 180  
 atgtagacat tggtgcaaac cccttctgct gaggtggagg agaagatgag ggagtcgatg 240  
 atg 243

<210> 31862  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894966H1

<400> 31862

atcaactaga aaggagtcata tttatgacct tcagcttgat gttaaagggt gtcgtgatgt 60  
 ttatgcttcc tttgataagt atgtcgaagt tgaaagtcctt gagggggata acaaatatca 120  
 tgctgaacag tatggtttgc aggatgctaa gaaagggtgc ctattttattg attttcctcc 180  
 tgtccttcaa ctccagctaa aaagatttga atatgatttt atgcgggata ctatgggttaa 240  
 gattaat 247

<210> 31863  
 <211> 243  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894969H1

<400> 31863

gaggaataca cgaagcatag gcaatgaaat gaggcgtttt gactgacctt cttggatctg 60  
atcgaatcca aacccaaacc ctaatctaata cccaaaaagc ttattagtct ctctcgatca 120  
atcgaaccag cgagcaagat tgtctctctc ctaggccatg cgaccacctt gttcctccgc 180  
catcgccctc tccagagagg tttccttttt cgttttcgcc gattttctcca tcgattccgc 240  
cag 243

<210> 31864

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894971H1

<400> 31864

attgagcaag aatatacctt gttgcagaaa gatgtaaatg ggccacttgg gtggccactt 60  
ggtgggtttc ctggaccaca gggcccatat tactgtggaa ctggtgctga taaagcatat 120  
ggccgtgata ttgtagatgc acattacaaa gcttgtatct atgctggcat caatattagt 180  
ggcatcaatg gagaggttat gcctggtcag tgggaatttc aagttggtcc ttctgttggt 240  
atatctgc 248

<210> 31865

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894972H1

<400> 31865

cttctccctt tttctctctg tctctctctc tcggtctcgc tcttgttctc atcaagcaca 60  
gagttacaga ctcaccgatc ttccgattct ctttcgtctt ggtttatgag ctccaaggag 120  
agaccactc ttggtggcac gcggattaag acccgcaaac gaaatattgc tgcgccgctg 180  
gaccctgcag cattctcgga tgcagtggtc cagatttatt tggataatgc tggatgatctg 240

gaactta

247

<210> 31866  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894973H1

<400> 31866

gcaaaaatgc aatctatgtc cctgacgctg agcaagaggc tctccaattc aaagcctctc 60  
 ttcagaatct cttccagcct cgtcgctcac gcacccctccg ccacaacctc tccgccgcca 120  
 ccttcgccgc cagtcacctc tccctccgcc ctcaacagcc tcttcaccgc tccgtggtcc 180  
 gccactcagt cacgcggaat cacgctttcc ggatctgata ttagagtcgg gaatctcatt 240  
 ggaaaccg 248

<210> 31867  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894974H1

<400> 31867

caaagtgtgc cgaggaagaa acctatgtga tcacagccag aatggaaccg gctgttgcca 60  
 ttgaagtcaa cctccagca atgactatca aagcaggcgc atcgcgagcgt ttttggtgtc 120  
 acttacagtgc cgctcgggtga caggaaggta tagtttttga gaggttttga tgaaagggag 180  
 cagagggcac aaggtgagga ttcctgttct ggccaacgga taccgacgat agatagcata 240  
 gtgaagttt 249

<210> 31868  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894975H1

<400> 31868

cgaagatttc tcttttctct cctttcctct ctctttcgcc ttctgggtgt tttcaaaacg 60



cgcttaaaac cgtgatgggt gccgtcgtcg agtgttaccc acagccgcgc acggcgggtgc 120  
 tgccctgaa caccttgccg ttagggttcc gtttccgtcc caccgatgag gagcttattg 180  
 actactacct ccgctcgaag atcaacgttg atggatgatga tggttggtt attcgtgaga 240  
 ttgatg 246

<210> 31869  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894976H1  
 <400> 31869

aggaaactga aggtgaacaa ctttacagca ccagttggag cacgatccag cactacagtt 60  
 tgcgagttg ctgagcctga taggcctctg tggttcccag gcagcacccc tcttccatgg 120  
 ctagatggca gtttgccagg agattttggc ttgatcctc taggtcttgc atctgatcct 180  
 gagagcctga gatggaatgt ccaagcagag cttgtgcact gcagatgggc catgttggga 240  
 gctgctggc 249

<210> 31870  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894977H1  
 <400> 31870

gaacaacaaa caaattgcag gtacatatgc acaacttggg ggataggaat ggatattaaa 60  
 gatgatgtaa aaaggaggga ggtgacaaca cttgtgaaag aaatgataac cggagaaagg 120  
 ggaaggaat tggccaaagt gtctggagtg gaaaaagaaa gcattagaag ccatggatat 180  
 gggaggatca tcatataatg atttccatcg attagtgaag gaggttcttc acaatgatgt 240  
 tgtttg 246

<210> 31871  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894980H1

<400> 31871

aattggataa tagccaccaa ccagaatcaa aataagaaaa acagagtaat ttgcatcgt 60  
 cgtcacacat ggagatgtat tactgagaga gttagaagca gcaagagcaa aggagaagga 120  
 agtgaagaag aaaaggaaac aagagaagaa ggccaaactc aaagctgcca agatgaattg 180  
 tgaatcttct tcatcttcat cgtccgaatc aagtgcagc gattgtgggt gtgatcaagt 240  
 ggttgacatg aacaccttca gagc 264

<210> 31872

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894981H1

<400> 31872

ctcagatgca ccttcaccct acaaccctct tcagagcaag ttcttcgaga catttgctgc 60  
 tccattcaca aagaggggat tggtactcaa gtttctgata ttgggagggtg gttccaccct 120  
 tgcatacttc agtgcaactg cctcaggtga cattctacca atcaagaagg gaccacaact 180  
 cccaccaaag ctcggttctc gtggcaagat ctaatttgat ttgtatcaga actccatcta 240  
 ttgagtt 247

<210> 31873

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894938H1

<400> 31873

ctcagccgc aagtatggaa tggccattga gaaggcaaca agcaatacta catggagttg 60  
 gtcaaata tccagcccca tattcagatg ctgagacaag gtggtatctt tgttgctctc 120  
 tctccagtgc agtatactga gtatctcagt caaggatggt catgatgggc aaacaaaagg 180  
 tgctactaaa cattttgaag ctatatttgt gacatctaaa acgaagaaca aggatgtatt 240  
 tgatccatta at 252

<210> 31874  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894889H1

<400> 31874

aagacagaga cgcagcagtg gcctctgcag ctgccttggg agctgcacag tgtgcaaaag 60  
 tagctgaagc aatgggggca aagaaagaac agcttagcgg cgtaattggc tcagccatga 120  
 gtggcacaag tgcaagtgc atcctaactc tcaactgcggc agctgcaaca tcattaataag 180  
 gagctgccac acttaaagta agatcaagat gtaagaacag attgaatggg ggagt 235

<210> 31875  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894890H1

<400> 31875

ggccgacatc ataatgacat gcaatttgta tttgggtttt gcaaacaatcc tggttaagag 60  
 ctttacctct gagtttctct atgttgagag atacttttgg accttggtca atcagccaaa 120  
 cttccgaaaa ataattgggc aggtcaagca ggctgaagct attcctcctg ttcaatctgc 180  
 aaagaagcct tcccagccaa aagaatccaa ggccaaggca aaagatgaac caaaga 236

<210> 31876  
 <211> 193  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894891H1

<400> 31876

ggtgtttgaa ataagtccat cattgtatgt agtagaatta aggaagtcgt atggagatgg 60  
 ttctgtgtat aaacagttat gcaagaaatt attgaatgat tgggtgttcc cccaagcaa 120  
 gggctagtga gatcagcagc aaattagaag ccacattatg tgtaggctat tttctgtttt 180  
 tttgctcagg tgg 193

<210> 31877  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894892H1

<400> 31877

aaatttcaca gcttgtgcaa agtgctcttg atgggtacaa ggtttgcac cttgcctatg 60  
 gtcagacagg gtcaggaag acctatacaa tgatgggaag gcctggacat ccagaggaga 120  
 agggcttgat acctcggttca ttagaacaga tatttcaaac taagcagtct cagcaacctc 180  
 agggctggaa atatgaaatg cagggtgtcaa tggtggaaat atacaacgaa acgatcc 237

<210> 31878  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894893H1

<400> 31878

ctcagaccgc aacaaaggag ttgtaaatta agagcatggc tgcacaagct cttgtatcat 60  
 catcatctct taccttctca gccgaggcta caagacaaat cttggaccaa gatcactcca 120  
 atctccattt ggcttctcaa gaaaagcctc ctttcttggt aaggcagctg ctactcccc 180  
 tgtcaagcaa ggatcagaca gacctttgtg gtttgcacaa aagcaaagtc tttccta 237

<210> 31879  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894895H1

<400> 31879

attcattcaa gattcagcaa gtgcgttttg gaagcagaga ccgaaatact tcgagatggc 60  
 ccgtacaaag caaactgctc gtaagtcaac tggaggaaaa gccccaggaa gcagcttgca 120  
 accaaggctg cacgtaagtc tgcaccaaca actgggtgtg tgaagaagcc tcacgttat 180  
 cgccctggaa ctgttgctct tcgtgagatt aggacatacc agaagagcac tgagctccta 240

at

242

<210> 31880  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894896H1

<400> 31880

ggccactgag atgatggggc caacaatggt ggcagaagca agaacttggt agtctcagag 60  
ccaccgtttc aagggggccat gtttgagtga caccaactgt gggctctgtt gccgaaccga 120  
acgttttact ggaggacact gccgtggctt ccgtcgcaga tgcttctgga ccaaacattg 180  
ttaatttttaaaaattaatt aagagtgccg tgatagaaga tgat 224

<210> 31881  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894901H1

<400> 31881

cagagcctct aatcagagag agagagagag agaaagtgtg agatggagag aatgttcctt 60  
cccaagaagc cctctactat gaattcccat gacagacca tgtgtgttca aggagactcg 120  
ggctctgtcc tcaccactga ccctaaacct cgctccgtt ggactgttga gctccatgaa 180  
cgctttgttg atgctgttac tcagcttgga gggcctgata aggccactcc taaaaccatc 240  
atgaggggta tgggggtgaa gggcttcacc 270

<210> 31882  
<211> 211  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894902H1

<400> 31882

cacttcggct cgagctctct ctctctctct ctcattcaca cgaatcacac tctccacagt 60  
gcgattcatt caccaatgga tcgcaacggg gttctctctc ttgcattcat ctgcattgta 120

00220-ETFE50

gtcgccggcg tcggaggcca gtctcccgcc gcagcgccct cgaacactcc ggcaaccccc 180  
gccgcagcca ctcccgcca agcaccttcc a 211

<210> 31883  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894903H1

<400> 31883

gccaaagcgt ttcttcgtcg tcgcttgatg tcggagtggg gccggacggg aacacagtgt 60  
cggacatgtc gtattcgagt gggattgtgg cgtcgggtgg acaaggcgcg acgcagttgt 120  
gtgggatgga tcgggaagcg aggggtgctgc gatacagaga gaaaaggaag aaccgaaaat 180  
ttgagaagac gattcgatac gcatcgcgaa aggcttatgc ggaaaccggg cccaggataa 240  
aaggccggtt cgcgaaacga a 261

<210> 31884  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894904H1

<400> 31884

gcagtttcct cgctctcttt tctgcaattt tcttttttgt tccttctctg cggttatctt 60  
tttgagcttc aatggcggac gctgaaacct tcgctttcca ggctgagatc aaccagcttc 120  
tcagcctcat catcaacacc ttctacagca acaaggagaa tctcttgctg gaactcatca 180  
gcaacgcttc tgatgctttg gataagattc gatttgagag tttaaccgac aagagcaagc 240  
tcgatg 246

<210> 31885  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894905H1

<400> 31885

ctgtgctatt ggttacgggc ccaggttgat tcaggtcatt accggatcgc cgcccaattg 60  
tcctcggagg aggccttgc cggagaatct caattaccg tcgtttgtgg cggtcttacc 120  
gggtgctgctg tcgttggtga gcaagacgtt cttcaggacg gtgacgaatg tgggcccgcc 180  
gagtgcggtg tatcgggtga ggggtggagac gcaggcggag ggggtggcgg tgacggtgag 240  
gccgtcgcag cttgtat 257

<210> 31886  
<211> 260  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700894909H1  
<400> 31886

aacagatgat ttgctgctgt aacaaaatgg atgctactac acccaagtat tccaaggcca 60  
ggatgatga aattgtgaag gaagtctctt cctacttgaa gaaagtagga tacaaccctg 120  
acaagattcc ttttgttctt atctctggtt ttgagggaga caacatgatt gagaggtcca 180  
caaaccttga ctggtacaag ggtccaactc tgcttgatgc acttgaccag attagtgagc 240  
ccaagaggcc ctctgacaag 260

<210> 31887  
<211> 192  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700894913H1  
<400> 31887

ctcagaccgg catcatctta tctttaattt attatagctt ctgcattgca tatgtcagat 60  
aatgtaaaat agaattatgc gtgtcaattt actttcgatt gttgtcagac attcaacatg 120  
aaaattatag tttgctgaac tgggttatgat ttcacaaagg tttttgaaaa aattagcttc 180  
aatttggttt ac 192

<210> 31888  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894914H1

<400> 31888

```
ctcgagccga atcggctcga ggcaaaagcg gttaagaggt ctggctcaaa acctcaaagc   60
caaagcctcg gtgatcgacg cagcgctatc caccaagcgt cacctctctt ccgtccgtgt   120
ccacgtgctc cgcgccacca cgcacgccct cgcggcacca ccctccgagg aaacaatttc   180
tgctgtcctc gcggtcgggc acggcggctc ccaccgtcat ccacgcgctg gcatcgacac   240
tctcatggac cgcctccaca ccacgcgc                                     268
```

<210> 31889

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700894915H1

<400> 31889

```
attgaacttt atctctcaag gatacctcga cgtagcaaac gagagaagtt ttggaagaaa   60
ggaaaagatt ggtatagggt ggatggaagg actgagagtt ctgagaggca gaagcttggt   120
gagagattta atgagccttt gaataagagg gtaaagtgcg ctctgatttc aactagagca   180
ggctcttttg gtattaatct tcatgcagct aatcgtgttg ttatagttga tggttcttgg   240
aatccaacat atgatctcca ggccatcta                                     269
```

<210> 31890

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700894917H1

<400> 31890

```
cttgagagaca atatcaaaac tggaggagag aataaaagaa gctgaggaga atgcaagaag   60
gattaaggag catgccgata tagcagaaaa agaaatcgaa gctttggaat tacaagttac   120
taaacttaat gaagaaaagg aagatgctgc tctccattat cagcaatgca tggagataat   180
ttccagtttg gagtataagc tctcttgtgc tgaagaggag gtgcataggc taaattccaa   240
gatagttgat gggg                                                     254
```



<210> 31891  
 <211> 104  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894923H1

<400> 31891

ctctcttctt tctttctctg gaaacgccga ccaacgacgc gacacgacac cgtttcgatg 60  
 gtggggaaga tgatgcggtg gaggccgtgg cgccctctcg tctc 104

<210> 31892  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894925H1

<400> 31892

ccaatatatt ccattctctc tgtgtatttc cctacctctc ccttcaagat gcagatcttc 60  
 gtcaagaccc tcaccggcaa gaccatcacc cttgaggtgg aaagctctga caccatcgac 120  
 aacgtcaagg ccaagatcca ggacaaggaa ggaatcccc cgaccagca acgtctcatt 180  
 ttgcgccgaa agcaacttga ggacggccgt acccttgctg actacaacat tcagaaggag 240  
 agtactcttc acctcgt 257

<210> 31893  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894927H1

<400> 31893

gtaagaaagc tgcagtggag gcggacctga aaaagattga agaagaactg gagaagaaaa 60  
 aggcagaagc tgcagagaaa ataaaaaaca aaattgctac aatccacaag gaagctgaag 120  
 aaagaagagc aataattgag gcaaagaaag gggaagatct tcttaaggca gaggagcaag 180  
 ctgcaaagta tagagcaact ggaacagctc caaagaaact ccttggttgt ttctaattgt 240  
 ttaaattctta agcattgtg 259

<210> 31894  
 <211> 71  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894928H1

<400> 31894

aaattctcct acaccgacaa aaaatggaac ttccaccaca agaattgcat gtccgttccg 60  
 cacaccacac g 71

<210> 31895  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894930H1

<400> 31895

ggcaatttct gataataagg agcgtgaaga tgacaaacct gaagatattg ctcgatctct 60  
 tctaagaatg atctcaaata atattggaca gatctcttac ttaaagccc ttcgcttttg 120  
 gatgaagagg attttttttg gtggattttt tattcggagg caccctttta ctatggacac 180  
 attatctgtt gctgttaatt cgtggtctaa aggtgaggct aaggcaatgt ttttgcgga 240  
 tgaagggttt ctaggaggtg tag 263

<210> 31896  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894932H1

<400> 31896

accgcacctc cctccctcat gctcgccac tctcaagacc tttctccctc tttcgctcc 60  
 ttctctcaca ggcccatttc tagaaccacc ttctctctct atcctctcct tttgaagccc 120  
 tccaaatggc tccacataga gcccaaacc aggacttgcc atgccctcgt cgccgctttg 180  
 tctgcagagg tccaagtgcc cgaaactttc gacgacacgg aggaggacga cggtgctgat 240  
 ggctccaccg ccaccaacac cgtcctcacc accaag 276

<210> 31897  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894933H1

<400> 31897

aattcttcaa tttaaacaca gaaacaaaat caccaccttc aaagtcttct ctctcgagaa 60  
 tcatcgaata aaactaggggt ttccgatcgt cgtcgaggag aatgccgaag aacaagggaa 120  
 agggaggaaa gaaccggaag cgcggaaga acgaggcgga cgacgagaag cgggagcttg 180  
 tggtcaagga ggacggccag gagtacgcgc aggtgctccg gatgctgggg aacggccgct 240  
 gcgaggcgat gtgcatcgac gg 262

<210> 31898  
 <211> 190  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894934H1

<400> 31898

cagagccaaa ccatgtcggt ccccttcaac cactctctcg ccatccacac ccaccaccgc 60  
 gggacgacga cgacgacgaa cgaccaccg ttaccctcc gccgggaaac tccttcagca 120  
 acccgccacc tccgtttctac ggcgtccctc aaccaccacc ccctcagccg gagaccacg 180  
 tgttccattc 190

<210> 31899  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894937H1

<400> 31899

ccactcttaa tttctctctg tctcgtttac acatctctcc aacctttcac tttcgtttct 60  
 cagttttatt cgaatccctc tctcaatctc ctttccaaat ggccagcggt gaggttgac 120  
 agcaaacc aacaacagtt ccagaaaatg aaacaaccga ggtaagcaag acccaggaaa 180

caaccccagt cactgaggct cctgcaacag aacaaccagc agctgagggt cctgcacacg 240  
 aacaaccagc cgct 254

<210> 31900  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894888H1

<400> 31900

ttcagcaatt gtgaaggaag acaccacttt gaggaatgct attcctgtga ggcaaagggt 60  
 ggctgtgtgt ttgtggcgat tagccactgg ggaccctctt aggattgttt ctaagagggt 120  
 tggtttgggg atatcaactt gtcacaagct tgttcttgag gtttgcaccg ctattaagtc 180  
 tgtgcttatg ccaaagtact tgaattggcc tgatgagggt gcattgagga gggatgaaga 239

<210> 31901  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894854H1

<400> 31901

cgggcaccga ggaagctgtt agttgtgtta gcaatagcac acacacagcg atggaaaacg 60  
 acgacgaaca caagctccac aatcacagag aacaagtaca agaacaagaa caagaaaatg 120  
 aagaagaaga acaagaagat gaggtttgga gttcttcgga ttctgaaatc ggtgaagcgt 180  
 tggactgggt ggattcaagg gaggaagatg aaggctcctc cttctccctc acttcgtggc 240  
 gccccca 246

<210> 31902  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894855H1

<400> 31902

tccagtcaca gcagagacag agtaagagca cactgcacag atctgagtgg tgactctttc 60

acttctcatc actattatta ttaggtctga aggtcattg ccattatcat gtcaaggagg 120  
ccagtaaatc cttcgcgctg gctaggtgat ggtggaagta taccatttgt tgcattctatc 180  
cagtccaaat ctcaaaactc tcccctacta tctattgggc ttgtcattgt ggggtgcaatc 240  
c 241

<210> 31903  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894856H1

<400> 31903

tcactgtgga gtaagcaaac cagcaagatc ttcattagcat attacaagat ggccatctaa 60  
tttctcataa ggctatcata ctgcaacaat gtataataac cctccaactc ccttggtggg 120  
tgtcaaattg tcaatgataa tgtataatgt atgggtcatt tcaaattaaa agttctgtca 180  
acaaaaataa gtggaggcaa aaagttatca ttccaaaagt tcctctgtgt gtttaggcgt 240  
cact 244

<210> 31904  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894858H1

<400> 31904

gacataatgg aaccttacta ttatttaaga atgaaactac gctgatgctt ccactagaga 60  
taaaaaagac atgtaggtgg ggttgagtga ataatagtta ataattaaaa ttcacatcat 120  
aatggaacct tagcatcgaa ggacaaatta tagaatgttg tgggtgtata aattccacca 180  
aagccacccc accaaattcc tctcatcaa accaagacat agcaaacgat ccaaactctt 240  
ttt 243

<210> 31905  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894859H1

<400> 31905

```
agcatccccc acccggttccc aacaacaaca acaacatcat gttttctcca cttccacacc 60
caattttctc cccaaaacca aaactttctc ccacaaatct tccccctctc ttccattctc 120
ccccctaccc ctcaaaccce aaccgtcttc tccaactttc catccaaatc cgcctactgg 180
gtatgcgcca cgctggtgga cgtcgccac aacagcaatt cccttcactt tgttcacagc 240
gatg 244
```

<210> 31906

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894860H1

<400> 31906

```
gaaaaagaga gggaataagg tgggccaagt tgtctagaaa cctcaacatt ttttagaggg 60
tttttgcaat taaaaaatga cttgagttag ggtgtagatt ataatagtat atatatgata 120
tatctctatc gtatatacta agagagtttg atgggttttg agtaattttt atttttatgt 180
tggtgactta ttaatattga gtttgcagaa ttcacctagg gaagagggat tttgcgacat 240
gtt 243
```

<210> 31907

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894861H1

<400> 31907

```
aacaaatcca gaagaaatgt actcttcttg tttcactcgt agagacaaag aggaaggcaa 60
agagtgttaa gggacaataa ttacgttata caagcatcat atcattgaga ggcaagttga 120
ttacctttca agtaatttcc gagtgtaaaa gcacctgttt tgtatatatg ttcacccgtg 180
ttagaacaac tctggctggt tcggaagaaa aggcatctg gactttgcac acatagtaga 240
at 242
```

<210> 31908  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894863H1

<400> 31908

gcaggctatc caatggctag atggaaacca acttgctgag gctgacgaat ttgaggataa 60  
 gatgaaggag ttggagagca tttgtaatcc catcatagca aagatgtacc aggggtgctgg 120  
 tggatgatgag ggtggagcca tggatgagga tggctctgca gctggcagtg gaagcgggtgc 180  
 tggacccaaa attgaggaag tcgattaagc agaagattct catgggttgt tcttgatttt 240  
 gtcaaaga 248

<210> 31909  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894864H1

<400> 31909

cttcttctct tgcggctagg gtttttagcgc agattcttct agaattaagg aagatgggta 60  
 aggaaaaggt tcacatcagt attgtgggtca ttggccatgt cgactctggg aaatccacta 120  
 ccactggtca cctgatttac aagcttggag gcattgacaa gcgtgttatt gagaggtttg 180  
 agcatggagc tgctgagatg aacaagaggt ctttcaagta tgcctgggtg ctggacaaac 240  
 ttaaggctga 250

<210> 31910  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894865H1

<400> 31910

aactctttca aaaggagaa gaaaaggaaa ggaaacaaaa cgcacaaagg attattatag 60  
 caatggcaga acaaaaccaa aaccagacaa ctgaagctgg aaggcacaag aggttggcca 120

caagagcctt ctccagagtg atgctcttta ccagtatatt ctggagacca gtgtctaccc 180  
aagagaacct gaatccatga aagaactgag agagttgaca gcaaaacacc catggaacat 240  
catgacaa 248

<210> 31911  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894866H1

<400> 31911

cgagaagatg agaaagtggg aggaacatcc taggactgaa gaggtaggta tttctcatgt 60  
cttgtagat gattcttatt tgttatactt acatgttttc cacctcttgg gtgattggta 120  
ttgcattgaa atggatccaa ttttggtttg gtagaatgga gaacaattta attggggggg 180  
tattgttttt cttgcttggg ttaatggaaa aggaaatata taatatacta catcttctat 240  
tgat 244

<210> 31912  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894867H1

<400> 31912

ggaaaagatg gttcttggct tgcattggctt gattctaaga aagagggctc tgttctctat 60  
gtgtgttttg ggagcatgaa caacttcctt accaccagc tttgggaaat agctcatgcc 120  
cttgaagatt ctggatcatga tttcatctgg gtggttggga aaactgatga aggtgaaact 180  
aaaggttttg tggaggaatt tgagaagagg gtgcaagcaa gcaacaaagg gtatctaata 240  
tgc 243

<210> 31913  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894868H1



<400> 31913

acctaaccga agacgagaga atagaggaag cttgggggttt gaatcgaatc gaatcgaagc 60  
gattcatcga tcatcgatg gctctttag gagttgaact gaagcatgcg gcggagggcg 120  
taccggaggc gaattgctcc gccaaagccca ccaagcaggc cgagggcctc cgccactact 180  
attctctcaa catccacgag catcagctcc ttcttcgcca aaagactcat aacctcaacc 240  
gtc 243

<210> 31914

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894869H1

<400> 31914

gttttcaaag ttggagtagt ttccgtcagg taaaaacaat cgagccagcc accgccacat 60  
gactgagaat aacccccaaaa cccattacc ttcttcgggt gggattccca gtcccagtga 120  
tgatggccca aaaaagcttc cagggaagca gaagatgcat ttcaaccgc cagagaaaga 180  
gattccggac gcggccactc tgagggatca atggaggtat gccattaggc agtacagtaa 240  
atggtactct cacgctt 257

<210> 31915

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894870H1

<400> 31915

gctgatgaca acataaaact tgagggttaa gaatgtgtaa acagactact ttcccgggtt 60  
aacgactcat taacagcttt gttctgtggt tccacagaat cactctctga ggctggaaat 120  
attcagttgt ttaaataccta tttgactgat ttgtcatggg cttgtcagat attgagtaag 180  
ttggaaatta tgaggggagtt tggttgagtat tggtttgatg catcggataa gattgtcaag 240

<210> 31916

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894871H1

<400> 31916

gcgacaccag atgatggaga cgacggcgaa cgaaacgctg tcgttgcgcc aatcgcggcg 60  
 ttgtttgttg tgggtgctact cgcggcgagt gtggtggtgg agctcaggag aactcggacg 120  
 tgaagacgct ggtgaagcac atgcacggga agaagtactg cgacaaagga tgggaatgta 180  
 agggctggtc aatttactgt tgtaacctca ctattactga ttatttccag acctacca 238

<210> 31917

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894872H1

<400> 31917

caaagttaga aacaaggaga aagaaagaag atggcaggaa agaaaatccc agatgtgttg 60  
 ctgaattcag gacacaaaat gccagttata ggcattggaa cttcagtgga gaatcgtcca 120  
 tcaaatgaga cccttgcttc tatctatgtt gaagccattg aggtgggtta cgcgcatttt 180  
 gacactgctg cagtgtatgg aacagaggaa gccataggcc tagccgtggc caaagccat 239

<210> 31918

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700894875H1

<400> 31918

tctcaagtct ctcgaagcct ctttctctct cttctagaag ctatctgtgt ttggtgttac 60  
 taagtctcca acaagcaaag tacatggttg atttggaat ccagggtccc accccattcg 120  
 acccgtttgc cgaggcgaga gaatcggatg cccccggagc aaaggagtat gtgcatattc 180  
 gaattcagca gaggaatggg aagaagagtc tgaccacagt gc 222

<210> 31919

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894876H1

<400> 31919

ctcgagccga atcggctcga gagcctggca aaccccagct gcagagcccg ggaaagctga 60  
 ttgggaattg gcattggtag agactgctag caatttgtca aagcagaagg caactttagg 120  
 tgggtgggttt gatcctctat tgttgactgg catgtatgat caaggaatgg tgaggcagca 180  
 tgtcagcact acccaactga gtggagggag tgcaagcagt gtggcattgc caggacctgg 240

<210> 31920

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894877H1

<400> 31920

tgctacagag acatccgttt gaaggaagaa gaacaagcca aaaccaaata cacaatcgaa 60  
 accgctcttt caggatcttc ctccgccacc gtcaccgcaa ccgccgtcgt tgcctcctcc 120  
 gtggaatccc cttcggcgcc ggttgaatcc ctccctcaac caccggtgct gatttcgccg 180  
 gatatagccg caccggttca ggcgaaccgg tgcgcgctgt gtaggaagcg cgtgggggt 238

<210> 31921

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894879H1

<400> 31921

aaatgatgct tcaaaataca gcatgagtgt tagtatgtat cgaggaggta ggggaaccgg 60  
 aaggccaaaa actgctccac cagatctgcc ttctttgctc ttggatgctc gaatatgcta 120  
 tctgggtatg ccgattgtac cagctgtgac agaacttatt gttgctcaat ttatgtggtt 180  
 ggattatgat aaccctacca aacctattta cttgtatatt aattcatcag gaactctgaa 240  
 tga 243

<210> 31922

<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894882H1

<400> 31922

tcacatttca acaaccatag ccatggcttt ctccttctcc aaagcacttg tccttgctg 60  
ctccttctgc ttatttgctg ctttggtctt tggacgagat tctccattgt gggctattca 120  
tcggaggact taaagtccat ggataagctc attgaactct ttgaatcatg gatgtcaaaa 180  
catggcaaga tttaccaaag cattgaggag aagcttctta ggttcgagat t 231

<210> 31923  
<211> 222  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894884H1

<400> 31923

ctcatagctt actctttaa aacgcaccac atcttcacgt gcctctcggt tcttcagtcc 60  
aaacaatggc catgggtgag ctctggtgga ttacgtgctt tctctaacta ctgttttcca 120  
cacttaacga aacattaaac agtgagaaag acataatggc ggtggagtac acatgctgct 180  
caacggcctt cttcgttcac atactggtca tcgtgctgct cg 222

<210> 31924  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894885H1

<400> 31924

aaacatggag cttccactcc tagcacatca tgcactcttt gcactaagct tttgcatctc 60  
aattttcttg gcatcgtgtg atgatgattt tctatccgtg aaaagaattc aagttcatct 120  
ccatttccta gcaactttct ttttggaact gcatcttctt catatcagtt tgaaggagct 180  
tacttgactg atggttaaggg actaaataac tgggatgttt tcaactcataa gccaggca 238

<210> 31925

<211> 237  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894886H1  
  
 <400> 31925  
  
 atttttagca aactaaacac acttctctta gaagataatt gtaaaatggc atcactcaaa 60  
 gctgagaaac ctgttgaatc tcagtcatca gggcagggtta agaaagaacc tgcaaaaccc 120  
 agtggttagca ctccaaaagc tccttcttcc aagccagctc caaagaaaac tcagaaaagg 180  
 tctcgtccta aacagaaggc aagcagcaat aaataagata tattagtaga atgatga 237

<210> 31926  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894853H1  
  
 <400> 31926  
  
 gcacatagaa gagccagaaa gaaaacaaag aggagaaaga aagtagttga ggaagataca 60  
 aacaattttt gcagattggt gagaatgcct ttcaagaagc ctcatcacac ctgagacaag 120  
 aactacataa caggggacga cggaggcaag ttcgagatac aacctagagg actcaacatt 180  
 gtgtggggaa atgattctcg atactggaaa attccagaac aaggtcctgc ggactagatc 240  
 caagtt 246

<210> 31927  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894820H1  
  
 <400> 31927  
  
 caaatttcac tgatccagct agcacagttt tacagagagc aacaaacaaa gcaactacaa 60  
 gatttatgca gctttagatc aatgtctttc tctctctctc tatctgtctc ttccatggaa 120  
 tggtagattt gaggtgaaga cgttccgcat tggtcagggt agaatctcac gatggggaag 180  
 tcaccaggaa aatggatcaa aactgtactg ttcgggaaaa agtcatctaa atcaaatatt 240

tcaaaaggca g

251

<210> 31928  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894822H1

<400> 31928

gggaaatagg acatgtgaaa tttgccattc tgttgctcgg aatgtttacg gaggaaatga 60  
ggagtcgacg gagcatttga gcgacgttaa caatgctact acagcagcca actctccaca 120  
cctgctcctt cagcagaacc tcgaagattt tggcacggcc atcgcttcct gaatttcttg 180  
cttgcttgta tggtttttgc gtttgtcata tcatggctat tccactttaa tgtgccatca 240  
tcctaga 247

<210> 31929  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894824H1

<400> 31929

cctacctctc cttcaagat gcagatcttc gtcaagaccc tcaccggcaa gaccatcacc 60  
cttgaggtgg aaagctctga caccatcgac aacgtcaagg ccaagatcca ggacaaggaa 120  
ggaatcccc cggaccagca acgtctcatt ttcgccggaa agcaacttga ggacggccgt 180  
acccttgctg actacaacat tcagaaggag agtactcttc acctcgctct ccgtctccgt 240  
ggtggcatgc a 251

<210> 31930  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894825H1

<400> 31930

cccagacaag attccatttg tgcccatctc tggtttcgag ggtgacaaca tgattgagag 60

gtccaccaac cttgactggt acaagggacc aactctcctt gaggctcttg accaaatcaa 120  
 tgagcccaag aggcctcag acaagccact caggcttcca ttgcaggatg tctacaaaat 180  
 tgggtggtatt ggtaccgtgc cagtgggacg tgttgagact ggtgtcgtga agcccagtat 240  
 ggtggtg 247

<210> 31931  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894826H1

<400> 31931

taaaaaataa acatatattg agaatggagg gttgtgtgaa gaagttgcta tgccttggtg 60  
 ggtttgtggt gcttgtgagt actattggtg ggggtggagag tgctggtgaa tgtgggaaat 120  
 ctacaacccc tgataatgag gcttataagc ttgcaccatg tgcctcagca gcacaagatg 180  
 agaatgctag tgtttctcag agttgctgtg ctcagggtgaa gaaaattggg cagaacccta 240  
 gttg 244

<210> 31932  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894827H1

<400> 31932

agaccaacat gttctggtac aagaatgtga ttactgcttg tgttggtcag tgttcaagtt 60  
 tgtcttttga aatgggttaa gtttgggacc atgtttgaac ttgcaagcac ttggataacc 120  
 aaaggagtcc tatgcttgca tggttgtatt ttgcaattgt aaatatttgt catgatgggg 180  
 ggggtggggt gcggtccggt ttcaagtga tgggggcggt tcttgaccta atggggg 237

<210> 31933  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894828H1

<400> 31933

ctctcatctc ctcagatcga tcaagcatca gggggctttg aggggttgatt ctctggtgtg 60  
 gtagcaatca gcacaataga aaatgttttt tgacggatat ggatatcatg ggacatcatt 120  
 tgagcagata tatcgatgct acccagcttc ctttattgaa aagccccaaa ttgaaagtgg 180  
 tgacaaaatt atcatgcctc catcagccct tgaccgtcta gcattctctgc atattgatta 240  
 cccaatg 247

<210> 31934

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700894830H1

<400> 31934

gtccttttca gcttaccaag aacttgtctc ttgtgtggaa tgactatggc tgggacaagg 60  
 catcaaatat tatatttgta gaccaacca ctgggacggg tttcagctat acttctgatg 120  
 agagtgcacat tcgccatgat gaagaggggtg ttagcaatga tttgtatgac ttcttgagg 180  
 catttttcaa ggagcaccct cagctcacta agaatgactt ttatattact ggagagtcac 240  
 atgctggaca 250

<210> 31935

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894831H1

<400> 31935

catggcataa gtggcaagaa tgccctactac caggccaatg ggcgccaatga tttcaactgt 60  
 gacttctctc aaactggtgt tattactact actaatccaa gccatgataa atgcaaaatc 120  
 tgagcatggt tatttaaagg ttataatcag aggcaagaaa ggaagataga gaaaagccca 180  
 ttgtcatggt gtcaatgtgg cttagtggta tctgtgactc tgagattatg cattcatgta 240  
 ctcaaaa 247

<210> 31936



<211>	255
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700894833H1

tgaatatct	gtggccgaca	cattcataca	aacttatgga	gggcaaaata	catttgaaga	60
aaagtgggtga	atcctcaaag	gcttgctagt	atgtcattct	ctatccctgt	ttctcagtgt	120
gaagctacaa	caaatatgta	actgaagaag	tcactgaaga	ttagttgcag	ttcagataacc	180
ttaaagtaac	ttctatagat	caaaaaatta	aaaacttata	tcacacactc	actctgggtcc	240
ccccttgtag	atttt					255

<223> Clone ID: 700894835H1

aatttttcatt	tcattcattt	tcaggtttag	agagacccaa	acactaacac	actgagcgtg	60
atcaagatca	tcaacaatgg	cggaaaaacc	tctcgaaacg	gcgccgtcga	gtcacaacc	120
ttctttcttct	cagaattcgc	ctcaagattc	accgcaggtc	cctgcatttt	cgaattttat	180
gcccttttcg	ggtgggtatt	atcaaagat	tcttggtatg	taccctgcgc	tagttccagg	240
gttgactctg	c					251

<223> Clone ID: 700894837H1

cgttgattga agaagatgcc gatcagaaac atcgccatcg gaaggcctga agaggctact 60  
caccccgaca cgttgaaggc ggggttggct gagttcatct ccaccttgat ctctcgtgttc 120  
gccgggttcag gtcccgccat cggctacaac aagctcaccg acaacggcgc cgccaactccc 180



gctaaagatg ttgaggttca agagcaagga ggagagtact ctgccaaaga ctacatgac 120  
 cctcctccag cacctttggt cgacccagag gagctcacac agtgggtcctt ctatagagcc 180  
 ctcacgctg agttcatagc aacccttctc ttcctttatg tcaactgtgct caccattatt 240  
 ggctac 246

<210> 31942  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894841H1

<400> 31942

gtaagcacta tagtaaaaaa aggacattca ttcatttatg gctaccctta ttgctcccag 60  
 caaccactct cccaagaag atgctgaagc ttcagaaag gcttttgaat gatggggaac 120  
 tgatgagaac actgtcatag taattctggg tcatagaact gtgtatcaga ggcagcaaatt 180  
 cagaagagtt tatgaggaaa tttaccagga ggatcttggtg aagcgcttag agtctgagat 240  
 caaagg 246

<210> 31943  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894842H1

<400> 31943

cgaaccctaa ccctaactct ccatcatcga ttgactcga ttctctogct gtctgttatt 60  
 tccttcaaag caaaacaatt ccatcgatga atcgggcttc gcagctttcg tgataatgat 120  
 cttggcgctg cgaatcgatt gcatggggtt ggagaatgcc ggagcttcgt agtggaccgc 180  
 gacgacgtcg tgctccggtt gctcgtaaaa gctccgaacc accgtctccg gccgggagat 240  
 acgtca 246

<210> 31944  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894843H1

<400> 31944

```
cttttattag ttttttatct ttcatttatt tcctgcttta ttacttttta cccgttttca 60
ttcatttagt gcaaattctt taaaagtatc ataaacctta gtattctcta cggctagaaa 120
gagctctttg gaatgaactg aaattcattc cctataatag tttaaaagct taccatttac 180
aatacattga ctagtttttt tattagtaag agaataagga ccaatcatca gctataggaa 240
gaggtt 246
```

<210> 31945

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894844H1

<400> 31945

```
tgaagatggt gaagagccca aatctgctgc cgtagggaa cttcgagaag aaactggaat 60
agtgtctgct gagataattg ctgaggttca gaaatggttg acatatgatt tccctcctgc 120
tgtgaaggct aaagtcaatc gtctatgggg aggtgaatgg catggacagg ctcaaaagtg 180
gtttcttatg agattaacaa aagatgacag tgaggtcaac ttagctaatt gggaagcaga 240
acgtg 245
```

<210> 31946

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894845H1

<400> 31946

```
catcgtaaaa ggctgcctgg gagccctgga caccgcccag aagagcaccg ggagcggcgg 60
caagaagaag ggccccgccc agctcagagt atacaatctg gggaacactt caccggtgcc 120
ggttgggacc ttggtgtcca ttctggaagg tctgctaagc accaaggcca agaagcacgt 180
cattaagatg ccatcaaacg ggcacgttcc cttcacacac gccaatgtca gcttggccta 240
caggg 245
```

<210> 31947  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894846H1  
  
 <400> 31947  
  
 gcacatagaa gagaaagaga gaaaacaaag aggagaaaga aagtagttga ggaagataca 60  
 aacaattttt gcagatagtt gagaatgcct ttcaagaagc ctcacagca ctcagacaag 120  
 aactacataa caggggacga cggaggcaag ttcgagatac aacctagagg actcaacatt 180  
 gtgtggggaa atgattctcg atactggaaa attccagaac aaggtcctgc ggagctgac 240  
 caagtttca 249

<210> 31948  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894847H1  
  
 <400> 31948  
  
 ctttctctc ggtgcataca gaggactata cattctcaac tggatctatc gctactttac 60  
 tgagccccac tttgtccatt ggataacatg gatttctggc cttgttcaaa cactactcta 120  
 tgctgatttc ttctattact atttccaaag ctggaagaac aacaaaaagc ttcatttgcc 180  
 agcatgagtt tattcttctg ttcttgaaaa caaggttcta agtggacaat taacagtaag 240  
 cagagaggat 250

<210> 31949  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894848H1  
  
 <400> 31949  
  
 caaaattggt catgaaagct tcgtttccga ttaacaattc tttgaataat agagacttta 60  
 ctttctgagg ttttaacccc ttttaaggctt tccctaactt gaggtgtgct tctttgctga 120

gagttttgct gcaaggactt gacacaaatt gtgtaaatgt ctgtggcttt taccaacctc 180  
 tcttggtggt tgtggagtgg aaagcatcaa gagccaagaa tcccaaattg gccttctata 240  
 aattcttc 248

<210> 31950  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894849H1  
 <400> 31950

gggatattac aagatctgca gaggtcgcaa tgtatgtggg gtggactcga tggctctcaac 60  
 tgtcgtctgt atacatgttt ctaacaatta aatataagga tggatgccta aacgtggtag 120  
 gggcaccagt atagtatgta tgtaaataat ttgcacgatg taatggtatg aaggaggaaa 180  
 ctgctaagca catgtttatg cttttattct gtaattctct atggtagcta gtccagccac 240  
 aaatc 245

<210> 31951  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894851H1  
 <400> 31951

gattgtgatc attatgttaa caacagcaag gccgttcggg aagtaatgtg ttttctcatg 60  
 gatccaggag ttggtagcca tgtgtgttat gtgcagttcc cccagagatt tgcaggatt 120  
 agatcgcatg gatcgatatg ccaatcgcaa cacagttgtc tttgatgtta acatggaagg 180  
 acttgatggg attccaggac cagtatatat gggaactgga tatgtcttca atagacaagc 240  
 actttatg 248

<210> 31952  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894819H1

<400> 31952  
 gtaccttaac ggttcgtttt cagtctcttc tccgtcgac aagctccgt cctcaaacgc 60  
 caaatactcc tcgccgtgc cggagattgc ggcggcggtt cgctgtctcg cggcgaggat 120  
 gttcacgcgc cggcacgggc ggaaaggcca gtggaggcgc gtggcattca ggtgcgtgct 180  
 ttgcttcttc gtaggggttct tgctgggcat gttcccggtc ggccacgtgt cggaggacgt 240  
 tcgctcgac ga 252

<210> 31953  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894778H1

<400> 31953  
 aattcatcat tgtgattcaa acctaccatg tgatgtatca tgtgtaaaat agatagctgc 60  
 attgttttag tccagtggac tttgtttctt gtgcaattga acctcttgac aatgttggtg 120  
 tggcttgatg gccaaactaa gctgattcat aggtttgttg ttctgtgcta ttgtgtgggt 180  
 ttcgattaat gaaatttact gctcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
 gaaggggggg 249

<210> 31954  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894779H1

<400> 31954  
 gcagagattg tgccagaacc actgggggtt gtgttggtca tctcaacatg gaactttctt 60  
 ttcttggtat caatggatcc agtcattgga gccatttccg caggcaatgc tgtggctctg 120  
 aaaccatcag aaatttctcc agcaacatca tcaactgcttg caaatttgat cgaacaatat 180  
 ctagacaact ctaccataag agttgttgaa ggggctattc ccgaaacatc tgcactcctg 240  
 gatcagaag 249

<210> 31955

<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894781H1

<400> 31955

cactaccctg aacatagtaa agaagccaat gcgacggttt tggagcagta tatggaggac 60  
ttaaattcta gatatatcaa catttttcaaa gagtacagca aagacatggg agaaaaagat 120  
ctacttctag agaagatcga agaagaaatt agtagattcc ttgaacgaca agatgttatg 180  
atgaaagaat ttagtgatct tgactcttgg aggtcccatt tttctgtgca actggatcat 240  
gtactaaggg acaatgctgt ttt 263

<210> 31956  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894782H1

<400> 31956

atctctttct ctcttttttt tttcttttct gtttttttaa acctcaggaa tctgttaaga 60  
tagaactgaa ctgagcttcc cagcgatttg tattttctgc ggaaaatttc gtaatatttc 120  
gcaatatttg tctcccgctg tctctctatc tgtgtttaaa ctgttttcgg cagttactga 180  
ttttatttta tttgttgagt ttgtgctgga ttcataatcg atctgatcat catcaacact 240  
gaacagt 247

<210> 31957  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894784H1

<400> 31957

ccatcttgta catagagaag caataaggtc cattgattgg cacatcctaa gcatgcaccc 60  
tttcagctcc gctgcatgct actaagcaac acttgtgtat tcctgaatat tgttattact 120  
tactattttc ctaacataag agtggagatg accttggaat ttttgctaca cttgtattat 180



ttgatataca ataaaggtgt atcatagcaa tgcattccatt gcggttaggc aatatgatgt 240  
 ttataaaa 247

<210> 31958  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894786H1

<400> 31958

gaaggacttg gtcggaaact gatggtggat tgtactgggg aaggtgtttt gttcattgag 60  
 gctgatgcag atgtcactct taagcaattt ggtgatgctc ttcaacctcc tttcccgtgc 120  
 tgggaggaac tcctttatga tgtacctggt tctcaaggag tgcttaacac tccccttctg 180  
 cttattcagg taacgcggct caagtgcggg ggtttcatat tagctgtccg gctg 234

<210> 31959  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894789H1

<400> 31959

ggcttcttag cttgtgttgt aacagatgag catatgtctg cccagaatga gacagatgag 60  
 catatgtctc atcctaggct tcttagcttg tgttgtaacg aataatttcg tgccattcaa 120  
 gaaaaatatg taagagattc cattagaatg gatatgactt aacagaggat gataggacaa 180  
 gttttaaatg tatcttctag tctcctacag cattaccgaa ataaataata aaaagcactg 240  
 c 241

<210> 31960  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894790H1

<400> 31960

caaggattag gttcaatcat aacgctctct acttaattgt gtcaactcaa gttcggcata 60

aagggcagaa atggagaata aggaaataag tgtcttccat tctgggaggg gtagggttta 120  
 tcgtgatggt gtttcaattc aaaagtttga aatttctttg acgttgattt catgtttcag 180  
 ttaccctgat tgatcatatg tttaccatat taacaattga cataatacat gagctttct 239

<210> 31961  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894791H1

<400> 31961

cggtagcagt gtgccacact gacacatcag aatggaaccc taaacatttg gcctttcagg 60  
 tgctcaaagt taagccagga actattcctg tctgccactt ccttctgag gatcatgttg 120  
 tttgggttcc caagtagatt tgcattcaag tcctttttcc atatatgtcc ttgaataact 180  
 agcttcaata gcatcagcta cagaactcga tgcattgatt tgctcgtact atatagtcc 239

<210> 31962  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894793H1

<400> 31962

cttgtacttg gtttcatgcc agattagga actcttttag ttgtcaatta gatcacagag 60  
 acatggaggt tgctatggaa ctggaagatg atcttttttt tgctgatttg agcaaggaaa 120  
 ttgctctact aattatggat gaagatgaag atcctcttgc ttcttgtcct cctgactctc 180  
 ttcaggcttt ttctggggca attcactctc ctccacagtt tgctttcatc tatgagcatg 240  
 cttt 244

<210> 31963  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894794H1

<400> 31963

agaagaccga tggaagcgct gatgggtttt ctgggaatgg acctgatttt tcttttgagg 60  
aggctcagag gtcaaatatg gttgccccaa cagagtattc atctctggac gatttgctat 120  
cttcacttcg tttgggtggc caagaacccc ttggagatta cagcttcctg aatcctattg 180  
taagcttctt ctatgatttc aggaattcga tagttgtggc tgatgattct gtaaaagata 240  
tatt 244

<210> 31964  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894796H1

<400> 31964

gtaaaaaatc tgggtgcctc aagaagtact gtgagtgtt ccaagccaac attctttgtt 60  
ctgaaaattg taaatgcatg gattgcaaaa actttgaggg aagtgaagag agacaggctt 120  
tgtcccatgg agatcagatt aacaacatgg tgtatttcca caagcggcca attgtgccat 180  
aactggagct atcgggtcct ctggctaate ctccaccacc atattcaagg aaaggaa 237

<210> 31965  
<211> 279  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894802H1

<400> 31965

cgcatgcatg cggactcaag attctggtgc atgcgtataa aaggaaaata aagaaattag 60  
cgtgaaaaat gttgggtgtg ttcagcagct ccatagtgtc gccgccggag gagctcgttg 120  
ccgccggcag ccgtacaccg tcgccgaaga tgacggcggc ggcgctgcgg aagtggttcg 180  
aggagaagaa cccctccgca gtgtcggtgg aggtcggaga gcatgtccag ctcgcttata 240  
cccaccagaa cgagtcgccg tttcagccca gatcctttg 279

<210> 31966  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894803H1

<400> 31966

cagaagagag gaatatgaat cacccaagtg ttgtgttaaa agtgggaatg cacaacagga 60  
catcgagggtg attcattctg ttattccctt ttctccctg gatccgttca taatatttgt 120  
atataggtct ttggaatcac gaaatgtacc tttaatggaa gtgatctttg ttgttgtatt 180  
gttctacagg gaggggtttc aatttttttg ggggccatac aaggaggatt atttagatgt 240  
cacatagatc aatt 254

<210> 31967

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894804H1

<400> 31967

atattattta aatttcagta gattattgtt gctggtaata tggaggccat taacatagaa 60  
ttggattttg attgttcccc agacctttt caactataaa taactaagt aaagattttg 120  
atcattataa atttaatagc attgcagtta gagaggaatt tgttcacgtc tgtgttctca 180  
tgcaacacac actttaatcg gtttcaggtt gtgacggaat ctgaggtcag tgatgagggt 240  
tctataca 248

<210> 31968

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700894805H1

<400> 31968

gatggcccaa atgctggtga tccggagcct tttcccatgg gtgccaatat tagactgaga 60  
cctggaaaat ctgcactgc tggcaatgag gagaatcgaa gccaaaggag ccctcaactt 120  
tgtcaagtgg agaagacgct aatggccaag actcttcaaa aaacacttaa ttgatttagc 180  
cttgcttggg cactaactgt tcaacattgc accataatgt catgtcaacc cccaagtctg 240  
tatattgaca tttt 254

<210> 31969  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894806H1

<400> 31969

caaatgggga cgtgaagatg ggtgagattg atgaggggca ggttcaggag ttggaggagc 60  
 accgcattga gttgagtctc gggcaagata ataatgttga gaggggtgaa gttgagaagg 120  
 agcaggggtg agaggagcag atgatggatg tgggttttga gcagtctaag gaggaggata 180  
 tgcctggaat gtggcttttg gatcagaaga actgtgtggg ggagccattt tgcggccttg 240  
 tcatggtggt g 251

<210> 31970  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894807H1

<400> 31970

gatacccttc acctcgtcct ccgtctccgt ggtggcatgc agatcttcgt taagaccctc 60  
 accggcaaga ctattaccct agaagtcgaa agctccgaca ccatcgacaa cgtaaggcta 120  
 agattcagga caaggagga atccccccag accagcagag gctgatcttc gccgggaagc 180  
 agctcgagga cggacgcacc cttgctgact acaacatcca gaaggagtca actctccact 240  
 tggtgttgcg tc 252

<210> 31971  
 <211> 139  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894809H1

<400> 31971

gtatatattaa ctgaattcag ttggcacttg ttatatgggc tctccccttt taggggttta 60  
 tggccttctc ttcgtgtag tgtagtgatc attgtgtgaa tacttaatac attgattgaa 120

tgcttatatt tgtcttttc

139

<210> 31972  
<211> 221  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894810H1

<400> 31972

ccgtcttgca actccgtggc atggacttgt tttctaagct aaaaaaaaa gatgtatgtt 60  
cacctaaaaa aggaatattt ctacagcagc ctggatgcat ttcagaattg ctctttttt 120  
gggtttgaca agaaggaagc accttcaaca gttgaggctc gagaatctgc cactctttca 180  
gattttaaaa ttggaagtgg catctgagac tcgtcatgat t 221

<210> 31973  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894811H1

<400> 31973

cttcacctt gtatgccatt gcttgtgtta tggaaaatgt tcctttcatc aatggaagcc 60  
ctcagaacac ctttgtccca gggctgattg atctggccat caagaggaac agtttgattg 120  
gaggagatga ctttaagagt ggtcagacca caatgaaatc tgtgttggtg gatttccttg 180  
tgggggccgg catcaagcca acatctatag tgagttacaa ccatctgggc aacaatgatg 240  
gcatgaatct c 251

<210> 31974  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894814H1

<400> 31974

aaagcattga attcaaaaac ttaagttcat tccttgtgtt ttgctttctt cctcaaaacc 60  
aaacatgtcg aacacatgcg gcaactgcca ctgcgctgac aagactagct gcacaaggga 120

aacagctatg gtgttattgt agagactgag aagagttaca tcgagactgt tgtcatggat 180  
 gttccagcag ctgagcatga tcggtagtgc aagtgtggca ctaactgcac ttgcacggac 240  
 tgcacctgtg gc 252

<210> 31975  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894815H1

<400> 31975

agaccacaaa aatctccgcc gtcggatcgc cccaatttc acccctaaag ccctctccac 60  
 ctacacctcg ctccagcaga ttatcactct caaccacctc aagtcatggg tcagtcagga 120  
 ccaagcccaa ggctcctact ctattccgct ccgcatactg gctcgtgaca tgaacctcga 180  
 gacctcacag accgtctacg ctgggccgca cttgggctc agaccccgag agcgatt 237

<210> 31976  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894817H1

<400> 31976

cactctctct ctctctctct catccacag aatcacactc tccacagtgc gattcattca 60  
 ccaatggatc gcaacggcgt tctctctctc gcattcatct gcattgtagt cgccggcgctc 120  
 ggaggacagt ctcccgccgc agcgccgtca aacactccgg caactccgc cgccgccact 180  
 cccgcccaag caccttccac agtacgaaa tcaccagctc ccgttgcttc tcccaaatca 240  
 tctccaccag ctgcaac 257

<210> 31977  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894818H1

<400> 31977

caacaagctc caccctaca cctcatggat tccaattact gtatacattt gcttgaggaa 60  
 ttccagtcag cggcttcgga atttctcttt aaccctcttt gcgtggcttg gcagattact 120  
 ttggagacat acatttccca gtttcatatt tggtaaggt ctaacatgcc aaacggacag 180  
 cccaagtggc ttctttctct tatcccgag taccctatgc tcaacttcat gctaacaact 240  
 gctatatacg 250

<210> 31978  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894776H1

<400> 31978  
 ggccgtccat gatgagtga agctaaagtt tctggagctc ataggcgaag aggacgtacc 60  
 ggtatatcgt ttttaagatt gaggagaaat cgaagcaagt tattgtggag aagctgggtg 120  
 accctgcaaa tggctatgat gaattcgctg ccagtcttcc tgctgatgag tgtcgatatg 180  
 ctgtttatga ttttgatttt gtcactgaag agaattgcc aaagagcaga attttcttca 240  
 ttgcttg 247

<210> 31979  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894742H1

<400> 31979  
 ctcgagccga ttcggctcga gcctctccaa gccgcgcgcc ctccgcccc aactaagccc 60  
 aaagctaagg tccgccgcca cacaccacca tcgtctgcag caccaccaac aacaacaaca 120  
 acaacaacgt gtctccgac ctgaaggcgt tctccgcgc gctggccctc tcctccatcc 180  
 tcctctccgc ccctctcccc gcgggcgcg acatctcggg gtcaccccc tgcaaggagt 240  
 cgaagcagtt cg 252

<210> 31980  
 <211> 247  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700894743H1

<400> 31980

gcgcgaccca actcctgaat cctccgactc tgacgtatTT gcctccttcc gtttcgcgcg 60  
caccgcaatg aagtgcgaacc agcgcttcaa gcgggtcgcc aaaccagat taccggttca 120  
gacaaccgaa ccagttcgtc gttccctcag aaccaaacc aatccctcac cgcaaccgga 180  
catatctccc ggcaaaatga aaaccttgac cctcgatttc ttccaaatcg acgcgctgga 240  
cctcgcc 247

<210> 31981

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894746H1

<400> 31981

gaaattgggg tttgatctag agagagagaa aggcataaaa tttaaggaag aacagagatt 60  
gattttccat aggaacccta attttctttt tcttgttctt ttgggggttct gcgatttggtg 120  
gggttttggtg aagcgggtgat tggaaagtct acgatchttg atcgggttttc gtcgatggag 180  
ggcgagggtt gttcagaggg agagaataat cggaagggg gtggctctga tgatgatagc 240  
aatgagaata ac 252

<210> 31982

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700894747H1

<400> 31982

atcagaacta cgacaaatta agacagttcc taagagttag tgttgacta taggttacag 60  
agtgttagct agatggcatc tcattgagtt cgaatggtgc ttctcattgc ttgcattctt 120  
ccagctttgg ttgcatgcat agtgaggcac tatgatttca tgtggtgtct aaataaacca 180  
atatattgtg tacaatcaca tctattgtga ccattaatgg gaagttgcc ggtctcacac 240

tttacgctca ggg

253

<210> 31983  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894748H1

<400> 31983

gtttgtttca cttcagattt ggttaattag ggttccgttg gcgcgagcca agaacgaagg 60  
 aagtcgaagc agtaaaaccc aatcagcgac cctcactctc agcccactct tcacgatctg 120  
 taattacaag aagcttagat ttgacacaag caggcacaat ggacagcata gttgattctc 180  
 tgaataatgc ctatcaagat tttgttgctg cagcagctaa tgtgttagaa gccaagaaa 240  
 atgctgggtc cattaaaac 259

<210> 31984  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894749H1

<400> 31984

gcggtttcat tttcgccctc cgattgaatc acagcatgag cgacggattc ggcatagcga 60  
 aattcatgaa agccttagcc gaaatcgctt gtggcgcaac ggaaccttcc ctactccag 120  
 tgtggtgcag ggagctcttg aatgcaagaa acccacctcg aatttcacgc acccatcacg 180  
 aatacgaggt ggaaaacaaa gccaaaggaa ctatgatgat ccattaaaac gacgtggtgc 240  
 aacgttggtt cttcttc 257

<210> 31985  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894750H1

<400> 31985

gcttgaaggg taagaaactt ggtttgtatt tttcggcatc ctggtgtggt ccatgtcaaa 60

catttacgcc aactttggtg gatgtgtaca atgaggttgc aaaaaaaggt gacttccaga 120  
 tcgttttcat tacggctgat gaagatgatg agtcctttaa cggttacttt tccaagatgc 180  
 catggcttgc aatcccattt tctgattcag acacacgcag ccgccttgat gaattgtttc 240  
 atgtgagggg ga 252

<210> 31986  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894752H1

<400> 31986

tggcgaatga agttcggcag ctagcatcaa acaggccaat cacagtactg aatggggggt 60  
 ctgaacaaag taatttatca tctctcgtcg ttccagctgc tgccttgggt gctctgggtt 120  
 atggctacat gtgggtggaag ggaatttcat tctcagatct catgtatgtg actaaacgga 180  
 atatggaaaa agctgttgca gatttaacca aaaagttgca gcatgcgtca gatgtcattg 240  
 ctgataccaa ga 252

<210> 31987  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894753H1

<400> 31987

cgctccgaat tagggttttc caattcgcag agcaactcaa cacaacggcc caaaccaaca 60  
 atgtcgcagc cgcagcctca gtcgcagccg caacacgggc aagcggcgct ggagcaggtg 120  
 cagtgttcg gtcgcaagaa gacggcggtg gccgtgacct actgcaagcg cgggcgcggc 180  
 ctcacaaaga tcaacggctg ccccatcgag ctcgtcgagc cggagatcct ccgctttaag 240  
 gccttcgag 249

<210> 31988  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894755H1

<400> 31988

gaagaacgaa tcgaaaaaag atagatcatg gcgatggcaa acttggctcg acggaagggt 60  
 tacgccgtcg ttttgtcgtc gaggtcgtcg ctttgtctga caaggtggag ggggttcgag 120  
 tccggatctg acgaaaacga cgtcgtggtc atcggcgggc gtcccggcgg ctacgtggcg 180  
 gccattaaag cggcgcactg ggtctgaaaa ccacttgcac cgaaaaacgt ggcactctcg 240  
 gcggt 245

<210> 31989

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894756H1

<400> 31989

ctcacagga gaaatagagc aagagaagtt tgattcatat gatgcacatt tctatgcacc 60  
 atcaaggga gagatagaag aagaggtgag gaaatcaggg tcattgaaga tggagaggct 120  
 agagatgttt gagatggaca agagtaataa tgagcaagaa agtagtgaga gctatggcac 180  
 acaggttgct gtggcagtta gggccattca agaatcaatg atctcacacc actttggaga 240  
 agga 245

<210> 31990

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894759H1

<400> 31990

gaactgcttc agatggctgg gcgtgctgga cgcagaggca ttgatgaaaa tgttcatgta 60  
 tttctcatcc aaactcctaa tgaaggtgct gaagagggct gcatagtact gttcgtgga 120  
 ctagagcctc tagtgtcaca ggatactgct tcatatggta tggccatgaa tctacttgct 180  
 ggtgtgaaat ccatacatag gtcaaatgaa tcagatgaca tgataccttc cacaggta 238

<210> 31991

<211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894760H1

<400> 31991

cttcctctgg tggcgacaat gtcgactcct gctaggaaga ggtcgatgag agacttcaag 60  
 aggctgcaac aagacccgcc tgcagggatc agtggtgccc cccaggataa caacataatg 120  
 ctgtggaatg ctgtcatatt tggctctgat gatactccat gggatggagg cacgttcaag 180  
 ttgacactcc aatttactga ggactatcca aataaaccac cgactgtacg atttgtgtct 240  
 cgcatgtt 248

<210> 31992  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894761H1

<400> 31992

cagaaacaac aaaggaatth gtggcaaagt tgggattaaa acctggccaa aaagtactgg 60  
 atgttggttg tggtagagga ggaggtgaca ttacatggc tgaaaatttt gatgttgagg 120  
 ttgttgatc tgacctctcc ataaacgtga tttctcttgc tattgaacgt gctattggac 180  
 tcaaatgctc ggtagaattt gaatgtgccg attgcactaa aaaaacatac cctgagaata 240  
 catttgatg 249

<210> 31993  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894762H1

<400> 31993

gggatattgg cgctttaact attoggcaac cacttggttg ccaatactat attactcctt 60  
 catcccttca ctttatctcc ttaaagccat tcccttggtt ccaaagatgt ctagcccatg 120  
 gttcatacct ttcgcatatg taatactcgg ggagagttct tctactttga ttgatgggtt 180

gatttctgga ggcacaatca aggggttggtg gaatgactta tggatgtggt tgtacataag 240  
 accaagttct t 251

<210> 31994  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894763H1

<400> 31994

gggcaagaga gaggttgga aagactgcaa tatattctct catgcaaaag aaagcaccaa 60  
 aaaaagtaag ggagaattta attccttccc acccttcaac aaaaactggc atgaggggga 120  
 gcaaccttta gaagagacaa cattttcttt tccacttcta tttaattatt actacttta 180  
 attcatctct tatatagctc aacctatata tcagtcttcc ccggtccatc ttgttcggtt 240  
 tctgt 245

<210> 31995  
 <211> 113  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894764H1

<400> 31995

tgtgaatgtt attggtctct ggaattccca aatcatcaga gtgagtttca gcgagcatgg 60  
 cttccaacct cgctgcgaat atggccactt gctctaattc cgtcaaagta atc 113

<210> 31996  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894767H1

<400> 31996

cacacactct ctctcatcta tcaaattggcg acccccccaa acgacgccgc atcgacgaag 60  
 aagccacaac ccatcccttg gaccaccag gagaccgtgc acctcattcg cgcctaccag 120  
 gagaagtggc acgccctcaa gcggggccca ctgcgccaca accagtggga ggaggtcgcc 180

00220"ETFE560

gtcgtcgtcg ccgcacgctg cggctacgac cttgcccacc ccgccaagtc cgcccttcag 240  
tgccgccaca a 251

<210> 31997  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894768H1

<400> 31997

ggttgctacg ttggtatctc tgtgttgtaa ttaaacttcg aattcaaact catactctgg 60  
caactcgttg gtatgacaga aaagcttgaa acaaaaaaaaa aaaaaaaaaat aaaaaaaaaa 120  
ggggggcccc ccgacaaggg gccccccgcc ccgggggattg attccggggc gggcccctgg 180  
gggggaccag ctttccccaa aggggtcccg tttaaaactt gggggagacc agggccaagg 240  
gggttcccg 250

<210> 31998  
<211> 183  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894769H1

<400> 31998

gtttgttgaa aaataaaaga tcttgcttca tagtactatc ctatatttgc gttatacaaa 60  
tccatatata tatgcgcttg caaattaatc tattagtaga ttaatttgca agtgaatata 120  
tatatggatt tgtataatgt aaatatagga tagtactatg aagcaagatc tttttgtttg 180  
ccg 183

<210> 31999  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894770H1

<400> 31999

aacacacaca tttctagtcc ccaaacccta aactagaaga gaaaaagaga aagtgaaca 60

tcataacatc aaattcgtat gtgcttttgc ttaccctaaa atctccatcc ctacaaaaag 120  
 aagaagaaaa acaagaagaa gtttaacatg tcagctgccg tggccgcttc cgctgccgcc 180  
 gctaccatgt cggggttacca ccacaactcc tcctcgagac aacaacaaca catagaccat 240  
 gaattgg 247

<210> 32000  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894772H1

<400> 32000

tgacctttcc tagagataac atggtctata gagagagaca ctgcccccca gaagaagaga 60  
 agttgcagtg tatgatccct gcacccaagg ggtcctgtaa caccatttcc atagccgaag 120  
 agccgtgatt atcttccgta tgctaattgct ccctacaaga gccttatagt tgaggatgct 180  
 attcagaatt tgatccaata cgattgaaat gtgttctact tcccttgagg cggaacccaa 240  
 tttcct 246

<210> 32001  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894773H1

<400> 32001

aaagcacttt taaggatgaat aactatgctt tgcgaatgca tttgaatcat gcacaacaat 60  
 acagcccctt tcctgggtgt ttccctcctg atgccttcta gggcgatcag tatgtaggat 120  
 atcataattg aggcagtaaa atagctgcat ctggttaata tcccaaagag aaaaaatgag 180  
 tattgttaaa ttgttgagtg ttgtgaaact cctgtaggtc aaggaatagt cactgtttcc 240  
 agttca 246

<210> 32002  
 <211> 246  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700894774H1

<400> 32002

ccactctctc tctttccgac caaaatgtcg atcaacagcg aatctacgcc gccaccggtg 60  
atcggaaaaa tcgggcctta caccgtcttc atgacgccgc cgtctacacc caaaccgcc 120  
gacgacaacc ccgttaccac caccaagatc gcacctccgc cgcctcagat tcccaaagcc 180  
gttccttccc ccaaacccaa acctctctcc gattccgacg attccgtttt cggcttcttc 240  
agaaac 246

<210> 32003

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894775H1

<400> 32003

tccatccaac atcgaaacga ggtcgttttg tgttccgccg aaggcaccgg aggttgtagc 60  
aggctagcag ctatggattt ggcattcaat ctcggtggca agattgacaa agccgaagtt 120  
ctctctgccg ttcagaagta tgagaagtat catgtttgct atggagggtca agaggaagag 180  
aggaaagcta attataccga tatggttaat aaatactacg atcttgttac cagcttttat 240  
ga 242

<210> 32004

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894741H1

<400> 32004

ccctgacttc acatgggaag tggatgaagcc actcaagagg gagaaaagtt tgaatttgaa 60  
gataaggtga aagttttgag taaaggactt gaaagggtga aagaagttag tgggtggagag 120  
ataaaaccaa ttgttgattt ggcagaggac aatgacaaag ttttacagtg tgaaaagata 180  
agagccgaga gtgaggttga ggtttggaaa gacaagtaca agacattgga atcatgggcc 240  
ttcccatccc g 251

<210> 32005  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894707H1

<400> 32005

agctccttca cctccttagt ttcgaaagca tggcttccct ggccggcttcc accgcggcta 60  
 tgtcagaaat ccttggaac cccgttaacc tcagatgcgc aaccaggtct gctccatcac 120  
 caactacacc tgccaccttc aagaccgtcg cacttttctc caagaagaag ccagctccac 180  
 ctccaaagaa aaagcctgcc gctgtatccc ccgccaatga ggaactcgcc aagtggatg 240  
 gtcttgacag aa 252

<210> 32006  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894708H1

<400> 32006

gccaggaac aacactcgcg atcatccagg aatgattcag gtatatttag gaagtgccgg 60  
 tgcgctagac gtggaaggca aggaacttcc taaacttggtg tacatttcac gtgaaaaacg 120  
 tcccggctat ccacaccaca agaaagctgg tgccatgaat gctttggttc gagtttctgc 180  
 tgctcttaca aatgcaccat tcatgttgaa tctggattgt gatcactacg tcaataatag 240  
 caaagcagtc aga 253

<210> 32007  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894710H1

<400> 32007

gtgcagtcct ctttgtcatt tcttgtttcg gttgtattgc agctctgaca cggaatgggt 60  
 gctgcctgag cttttattct gtttttagtgt tggtgttgat cttagtggag ctgggatgtg 120

cagcctttat attttttgac aaaagctgga aagaagaaat tcctacggac aaaactggag 180  
 attttgatat gatatatgga ttcttgagag agaactggaa tattgtgaga tgggttgctc 240  
 ttggaattgt ca 252

<210> 32008  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894711H1

<400> 32008

ctctctctct ctctgtctct ctctctctag acttagatct tgtgaatggc tgaagtggaa 60  
 gagggacagg tcacggcggt ccacaccgtt gatgagtggga agctgcaact ccagaatgca 120  
 aaagactcca aaaaactgat tgtggtggat tttactgctt cctggtgtgg tccatgccgt 180  
 tttatggccc cagttcttgc agagattgca aagaaaactc ctgaattgat ctctctcaaa 240  
 gtggatgtgg atg 253

<210> 32009  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894712H1

<400> 32009

tctcgagctg aatcggtctg acgcattgct atctgggttt tgctatgttt gatccacttc 60  
 ttcgactttg ctctcatctca ttctctgggt tttttaaata ttgttctttt atgtgccttt 120  
 tttgtttgaa ttttcaagct ggtttttttc tacacctgct ggaaatcctg aatggannnt 180  
 tgctntnaaa aaatattaaa atttgtggct caaattttta ggttgaggga tcaggagag 240  
 ataaataat 249

<210> 32010  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894713H1

<400> 32010

gttgctgaat tcaggacaca aaatgccagt tataggcatg ggaacttcag ttgagaatcg 60  
 tccatcaaat gagacccttg cttctatcta tggtgaagcc attgaggtgg gttaccgtca 120  
 ttttgacact gctgcagtgt atggaacaga ggaagccata ggcctagccg tggccaaagc 180  
 catagacaaa ggccttataa agagtagaga tgaagtttcc atcacttcaa agccttgga 240  
 cacagatgca cacc 254

<210> 32011

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894715H1

<400> 32011

gtcagcatga aaacttgccc gtggaacctg actatggtga gattcatgat gattttggag 60  
 acaaagatgt tgcctctgaa gagactcctg aagaagtgc catacctagt ggaaaggatg 120  
 aagaaaactt gacattacca ggattagaag ttgcagagga gtttgagggc atgcggtatt 180  
 ttgacgagaa aatcaacaga ttatctgttc gtggtaaaca gtttgaggaa ggtacaactc 240  
 taccagcatt tggcttgac 259

<210> 32012

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700894717H1

<400> 32012

atccgcttcc acagttgtga tcctgaaacc atcacaattt gtttctcaat catgtcaacc 60  
 tcacctctt cccaaagcct caaaattggc atagttggat tcggcaactt tggccagttt 120  
 ctggccaaga caatgataaa acaaggccac actctcacag caacttctcg atctgattac 180  
 tctgaacttt gtctccaaat gggcatccat tttttcaggg atgtcagcgc attccttacc 240  
 gcagacatag atgtca 256

<210> 32013  
 <211> 160  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894720H1

<400> 32013

aattcctcgc ctgctgcacc gccgccgccg ccgccgccgc gattaactcc gcggaccgtg 60  
 agcgaagagc gaaaggcaaa tagagacgaa cgcttgccagg tgacgtggca tctccaaact 120  
 tacttttgat ttcacttacc caaaccccca cacagcagaa 160

<210> 32014  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894721H1

<400> 32014

gttgctctcc ttcaaactcc atctttccaa atcctctctt tggtcttggtg ctttgatctg 60  
 cttcctactg cgatagtttc tctactgtta catggccatg gcgggtttccg caattgggtt 120  
 tgaagggttc gagaaaaggt tggaaatata ctttttccag ccgggacttt ttgctgacct 180  
 tgaaggaagg ggtctaaggg ctcttataaa atcccagttg ggtgagattc taacaccagc 240  
 tgcttgct 247

<210> 32015  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894724H1

<400> 32015

gaatcaccat cagcagagtt ggtggttcct ccgtcgccgc acctcccatc ctcttcgatt 60  
 atcatcttat cgacaaaaaa cttctccaaa acatagtcta cgatgctctt gtctggagca 120  
 ccctcaactg cctccttggt ggtgacaaat cagttcagag atcaggaaca gttcctgggtg 180  
 ttggcctggt gcatctcccg ctttctttat tacctgggcc atttctgaa aatcattgga 240  
 agcaagcgtg cg 252

<210> 32016  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894725H1

<400> 32016

ccatcaccta atcacttccc cacttcccct gttaatcacg ttagttcgc acaatgtttt 60  
 aaaaaatggc tgatgctgag gacattcaac ctcttggtgt tgataatgga actggaatgg 120  
 tcaaggcggg ttttgcaggt gatgacgctc ctagggtcgt gttccccagt attattgggc 180  
 gactcacgcc ataccggtgt aatggttggg atgggtcaga aggatgctta cgtgggtgat 240  
 gaagctcaat c 251

<210> 32017  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894726H1

<400> 32017

gttgaacgat gcgattctcg ctgaggataa gcacaaacct atgtatgaag aattggctaa 60  
 caatccta atgtggagtaca ttgctggagg tgctactcag aattcaatca gggttgctca 120  
 gtggatgctt caagcaccag gtgccacaag ttacataggt tgcataaggaa aggacaaatt 180  
 tggagaggag atgaagaaga aatgtacact tgatggtgta aagggttaact attatgaaat 240  
 cgacaatata cc 252

<210> 32018  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894727H1

<400> 32018

gattcgtcac ctaacaatag catctgggtc caacaatttg acgggaggtg ttgaaagctc 60  
 gaacattcga tcaattcatg ttttcagtga tgaagaattg tcagaatcct tggatgaagag 120

tatgcctaca aagtacaggt tattaagggg acttcaattt gaatgtgctc caatgtatta 180  
 ttatgttccg cgcattgaaa gtttggggga cttatcattt ttgaggtact taagcttcag 240  
 aaggtcacgc 250

<210> 32019  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894728H1

<400> 32019

gttaatgggt ggggtcaatc ctatgggtcc cggtgtgtga agccaccaat catctatggt 60  
 gatgtgagcc gcccaaagcc aatgactgtc ttctgggtcat ctctgggtca gagctttacc 120  
 aagcgcccaa tgaagggaat gcttaccggt cctgttacca ttctcaactg gtcctttggt 180  
 agaaatgacc aacctagatc tgagaccacc taccagattg ctttgggtat caaggacgaa 240  
 gcggaggacc t 251

<210> 32020  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894729H1

<400> 32020

catatctcca ttccatttc ctctctctca gtttccaaga atcttaagct atgggaaagt 60  
 cttacceaac cgtgagcgt gattatcaga aggcggtga gaaggcgaag aagaagctca 120  
 gaggttcat cgctgagaag agatgcgtc ctctaagct ccgtttggca tggcactctg 180  
 ctggaactta cgacgtgagc tcgaagaccg gtgggtccctt cggaaccata aagcaccct 240  
 ccgaactcgc tcacg 255

<210> 32021  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894730H1

<400> 32021

ctagctcgtc aggcacagag taaggtgaaa acgctggcaa aaatggaacg tgggtggactt 60  
gcagagaagg tggtcagaga cagagttttg gtattccgtt ttaccgatgt tgggaaactt 120  
ccccctccag ttctccagtt tgttgaggtg tcatttggtt atactcctga taatctcatc 180  
tacaagaaca ttgactttgg ggttgattta gactctaggg ttgcactggg tggaccaat 240  
ggtgctggga agagtac 257

<210> 32022

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894731H1

<400> 32022

agcaatccct cccatttttt ttctttcaat ctgcttcaat ggaaggtttg gcttccctct 60  
aggctccctt tccggccacc ccattttctt cttccagacc cagaacctct cttcttccat 120  
cccaagccag ttttcgtaaa agaagctcct tttatcctt ttctgttcat gccaggtgg 180  
agtctgatga tggttcagct gtataagcca catctggtga atctgtgaca gaggttctga 240  
aaattaagga gtgggaggt 259

<210> 32023

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700894733H1

<400> 32023

cactctttca ttctcattgc cgtcacacag agagagaaga gacaatgaag tttaacccaa 60  
gggtttcctc aagccgtcga aagagccgca aggctcactt caccgctccg tcgagcgtgc 120  
gtcgcgtcct gatgagcgcg cctctctcga ccgatctccg gtcgaagtac aacgtgcggt 180  
ccattccggt tcgcaaggac gacgaggtgc aggtggtgag gggaaacctac aagggccgcg 240  
agggcaaagt ggtccaggtc t 261



<210> 32024  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894734H1

<400> 32024

gacatatgtt ccttcgatcc ccttctctat tttcctttat cccattgtcc gaattcacgt 60  
 tcttttttcgt cccaatcctt aagctttaag ctctaaactg gatccacccc acccacatat 120  
 ccagtcttcc cttttttgag gtaaacgcta tgctatatta ctcaatataa aatattcatt 180  
 cattcttgcg tgtgcggtg tgtttcgata atgacgactc aaattcgata attcccaatt 240  
 gtgtttttatt tcaaattg 257

<210> 32025  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894735H1

<400> 32025

cggttaagatg cagaccattg ctaggcgctt agggcagcaa tcgctgaggc catcgacgtc 60  
 gctcaagtcc atctatccaa tttccgatca ccattatgga atggatcacg agcgttacgt 120  
 ttctaccctc gccaccaagg gagttggta cctcgttcgt aagggcactg gtggacgac 180  
 ctccgtcagt ggcattattg ctacagtatt tggggcaact ggattcttag gtcgttatgt 240  
 tgtccaacaa cttgc 255

<210> 32026  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894736H1

<400> 32026

acctcacttt gttttttttc tctgcagtaa tagaaaaaa agacagaaag aagaagaaga 60  
 agaagaagaa gaagaagatg ttgagggttg cagctagaag gctctcttct ctcttctcct 120  
 cctctccgtg gcggccaac cagccgctt ccgcttatgt ctctcgaaac gcatgtcggt 180

gatgaccgca gatctgatcc ttctctcccat cccctttttc ccttcagagg ttttgctact 240  
 gaatccctga tcca 254

<210> 32027  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894705H1

<400> 32027

gacagacaca atttgcgaaac agaaactctg caccaacaat ataaattggt taaagagagg 60  
 actatatctg gagattcata ctatggctct cagtgatgc agtatggtga tgtagggctt 120  
 agcagagatg ttctcttcca ttatttgggt acagatcctg ctaatgataa tttcactttt 180  
 gtggatgaaa actccttatg gtcaccttca aaaccagtca accaacgtga tgctgatctc 240  
 atccattttt gggataagtt 260

<210> 32028  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894737H1

<400> 32028

ggcggagatc aagcacgccc gtctcgccat ggtgggcttc ttgggncgtg cagtccaagc 60  
 tgccgccact ggcaagggcc cgctcaacaa ctgggccacc cacttgagtg acccactcca 120  
 cacaaccatc attgccacct tctcatcctc ctcttaagaa gaagcaaaag aagaagaata 180  
 gtctttcttg tgcttggtca ttctagttat attgtaaaag tctttttcta tcttcttcgg 240  
 ctttggttg taat 254

<210> 32029  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894739H1

<400> 32029

gtttccttcg gcgcttgctt ccgtgacttg agaaaaagaa atttagggtc ttaagggttt 60  
cattctgcgg catcagacat gggaggaggc aatgggcaaa aggcaaagat ggcacgcgag 120  
aagaacctcg agaagcagaa ggccgcctca aagggaagcc agctggattc aaacaagaaa 180  
gcaatgtcga ttcagtgcaa ggtgtgcatg cgaacattta tgtgcaccac atcggaattg 240  
aagtgt 246

<210> 32030

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700894666H1

<400> 32030

ctttctgaat atttgaattt tttcgtttca aatcctcagc attgacacca aaaatgatct 60  
tcaaatagca tcgccgaaga ctcaaatacca cccaatata aaggacaatc catttttttt 120  
aggctctcac aaaaaggggt gaaagaaaga tcgaaacttg aacactgaaa ccacgttgaa 180  
gttgaaagtg gctgaaaggg gttctggaga gttccgtggg ggagagagga gtgaacgcgt 240  
ggcactttca gaggtggtgg cag 263

<210> 32031

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894667H1

<400> 32031

aactgctgca acccactcac tcaactctcaa ccttgctcct ccaagccgca aacttcgcca 60  
ttctctctcg catctcaacc ctttatcact ctctcgagtt gcatccagga aggaggaggt 120  
gcaatagaga agggcttgac caacatgggt catgttgaga agcccatcat cattaagggtg 180  
gaacctctgg atggaccaat taacctaca agatcactga tgagagtgga gtcgacattg 240  
tgagtttga 249

<210> 32032

<211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894668H1

<400> 32032

gtcttgcgtt gtgttggaat cccaaattca tttctgtttc tcattctcaa ttcttcttct 60  
 attctcattc tgatttgcca cacacgcaga aagggtgaaa atagtgggac ttattcact 120  
 ggaggtggag aaagatggct aacaacgcag ctgcttgtgc tgagagagct gctagtata 180  
 tgctcattgg tccagactgg gcaatcaaca taacttgtgt gatatcatta atatggacc 240  
 tgggcaagcc aaggat 256

<210> 32033  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894669H1

<400> 32033

tgcgcaagtt gtcaacttaa tagcatgtga aggagaagaa agagttgaac gtcacgagct 60  
 tctgaataag tggagaatgc gtttcacaaa ggctggattt acaccttatt cattgagctc 120  
 cgttattaat tcttcaatca aggatcttct gcagagctac catggacact acactctaga 180  
 agagagagat ggtgcactat ttcttggttg gtgaatcaag ttcttggtgc atcttgtgct 240  
 tggagatgaa aatcc 255

<210> 32034  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894671H1

<400> 32034

gccgcagagt cagagagaga gattcactga aacagagcgc agaagaaaat acataaacta 60  
 atccagacaa tgagcagcgg cgctggaaag gtggtgtgtg tcaccggcgc ttccggttac 120  
 attgcttctt ggatagtcaa attcctcttc aatcgcggct acaccgttaa ggccaccgtt 180

cgcgacacaa gtgatccgaa aaaaataaac cattggttgg cctcgacggt gctaaggaga 240  
 ggctgcacct ctacaagg 258

<210> 32035  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894672H1

<400> 32035

ccattccaat tctcaacact cagactaact gcaacttgca ttccctagag aacacacctc 60  
 tgttgccctc cttcacttca gtttagctgag tgtgttggtg agcactttcc ttctcctttg 120  
 ggtagttatg tcatcagcac ctatgaccga caacaacaag gttcaaaaca aaggcctttt 180  
 atctttcttct tcttcttctt ctgtgaggat gaggaagaga tcatgaagca gggcatcata 240  
 accattttga actca 255

<210> 32036  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894674H1

<400> 32036

ttttcttgtg aaaaaaaaaa tcttcagaac caaaatcggt tttcttctgt ctctgatctc 60  
 tcaaagcttc aaattctcct tgtttggttt gtttgtgtgt ttggagtatg atgtcgccgc 120  
 cggcggtggt aacggaggag gaggggcgga caacgtgtcg tcgaccgtgg cgtccggttc 180  
 ttcgcaatcc ttggaccgtt tctctcagat ggggctggat tgaaagaacg aaattactta 240  
 gggttatctg at 252

<210> 32037  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894675H1

<400> 32037

caatcgctgt tcttaatcac tctttcatct ttcagttctca caccctaaaag aaagaaaatg 60  
 ttttagtttc ataaggggttg gttctgactt gaattaggat ctgattcaaa gagaggaatg 120  
 gaggggtggct cattcaatgg tgctcagatt gatgccaaga tcatgcagac atttaagaag 180  
 aactttgttc aagtgcagga catttttgac agaacaggct actcatcaat gagataaacc 240  
 agaaccacga gtct 254

<210> 32038  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894676H1

<400> 32038

aagatttctca catgggtcact ttccttttcg ggttggtctac aggttgcttt gtatccttgt 60  
 tttgtgtata tgcaatcttg gcacatttgt gcggtatatt ctctctaat aacgagccag 120  
 cttatatgga aacagtctac cccgttttca gtgtgtttac attgttaagc ctgcacttgt 180  
 ttatgtatgg atgcaacctg ttcattgtgga gaatacaaga atcaattaca atttcatatt 240  
 tgaattttca cca 253

<210> 32039  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894677H1

<400> 32039

agccattgca ttcctccagc tttgacattt tggatcattc ttttcaaatt agagattggt 60  
 cttcttcttc caatcaagca atacagaatg ggtttccgtt tacctgctgt tcgacgggca 120  
 tcattcacgg ctagccaagc agcttcaaaa tctgtacaag ttccaaaggc ctatcttgca 180  
 gtgtatgttg gagagaaaca atagcgggtc tggttccgt atcatacttg aatcaacctt 240  
 cattcgaaga tctttt 256

<210> 32040  
 <211> 258  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894679H1

<400> 32040

aaaaaacata cagaatataa acttggttca gccaatcat ctcattgctga tcttgctatt 60  
catttgaact cttcagtga ttttaaccaa gatcggggat ttaaaaacag tgatacaact 120  
caaaaaagag aagtgactga tgcaattgaa aagccaaaca taaacgagtc aaatgctgtt 180  
caggataatg tttttcagca tcaccttccc tgcgtcagga aattttggct cataaaagga 240  
aggcagttac tttgaaaa 258

<210> 32041

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894680H1

<400> 32041

atggagttga gcagaacaga aagacatatt ttgaaagaac tgggattcat ttgtcatgtt 60  
gaacatcctc ataagttcat atcaaattac cttgctaccc tcgaaacacc tccagaattg 120  
agacaggaag cttggaatct ggctaattgat agtttgagaa ctacattgtg tgttcgattt 180  
aagagtgagg ttgtggcttg tggagttgta tatctgctgc tcgcagggtc caagtacccc 240  
ttcctgagaa tccaccg 257

<210> 32042

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894684H1

<400> 32042

atccgagatc aaccccgacg aaggcaagg gtttttctcg gcttcttcag atttctgaaa 60  
tggcgcctgt ttcagcttta gccaaagta agctcgtctt cctgggtgac caatccgtgg 120  
gcaaaaccag catcatcact cgcttcatgt atgataaatt cgataacacc tatcaggcta 180  
caattgggtat tgattttcta tcaaaaacta ttatcttgaa gatcgaactg ttcgactgca 240

gttgtgggat acagctg

257

<210> 32043  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894686H1

<400> 32043

taattgtatt gaagatggta tccatgggaa ggcgaagatt tggcaccgcc tttcagctca 60  
 tgtttcgtat tctcaaggca cttctttttc ttggcttctt gtcagtcatt actgtattat 120  
 ttgtgggatg tggacttacc atagcagatt tgtttctgc cattatcgcc ttcattgcat 180  
 ctggatgggc aattattctg attgcacaag atgcaaggta tgcttgaaag gagctaaact 240  
 atgggactca gtgaaa 256

<210> 32044  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894687H1

<400> 32044

ataatcgcta atgctttgac tgagtgggaa ataattcttt gctcatcaac taccatggat 60  
 ttagtatggg cgcaggttat aagtgatcca tttctaaggc ggcttattct aagattcata 120  
 ttctgccgat ccgtgatatc ttttttctgc ccacctgagg aaagtgaact gtacctgcca 180  
 ctttgtttac cccatctacc gtcttctgtg caccaacgtc tgaagctgtg cgttctgctg 240  
 ttgtgcaact tgcc 254

<210> 32045  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894689H1

<400> 32045

ccctttctct ctctcattct cttctccatc gcgcgtaaga aacacatttt agttgctact 60



aatgggaact gttgaagctg caaacaagga tgcaaatgga agtctcctag agaaaaatcc 120  
 ttcagttggtt tttgtgttag gtggcccagg aagtggaaag ggtacccaat gtgcaaatat 180  
 tgtccaaaat tttgggtata ctcatctcac gctggtgac tcttgcgagc agaaatcaaa 240  
 tctggttctg aa 252

<210> 32046  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894691H1

<400> 32046

attgcagatt tttgtcggca atttggatcc taacgtcacg gatgaccatt tgagacaagt 60  
 ttttgggcat tatggagagt tagttcatgt gaagattcca gctggcaagc gatgtggatt 120  
 tgtccaattt gcggaccggt aatttagtca ttcagatatt tgggtgttta tcttgtgtta 180  
 aattactttg tctatatgta ggtcctttta ttgtaccatg aggtttcggt ttcatgcac 240  
 aggagct 247

<210> 32047  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894692H1

<400> 32047

gacttgcagc aattcccaat ggcttccgtt tccaagctct caacgccaaa tccacttgct 60  
 tccttatcag aagcgcttcg ccccgagat tctcgcttcc tcaccttcaa accttcttcc 120  
 atcgctttta atcacaaaac taacctatcc gcttccttcc gatccattca ctgcgtccct 180  
 cttaaaacct ccttacggat caaatgctcc aaacagatgg gaatggaagt cctgcaaaga 240  
 ggacagtgct tcatga 256

<210> 32048  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894693H1

<400> 32048

gcaatgtata acaagggatt ggattatcct gcagcatagg tgaggggaagt gtataacttct 60  
 ctttctcatt tttatacctt gtgatagcaa agacaattta tgagtgtga catatttagt 120  
 ctttgatgta actttttttt atggatctta tccctctcaa cacttgctgt aaagactcac 180  
 ttatataata aaatcagggt atgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
 aaaaaaaaaa gggggg 256

<210> 32049

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700894694H1

<400> 32049

gtcttaatta agactctcac ccttcttagt ctctctttga aaatgaagac ctcatatgca 60  
 acattgtgca tcatgcttac ttgtcttctt ctaggtcaga gtgagttggt gtgtatggca 120  
 gcagtgcagt gtaacgcgtt gcagctgagt gcatgtgccg gcgccatcac gtcctcaact 180  
 cctccttcag ctctttgctg tagcaaactg aggaacaaag gccttgctt tgccagtatt 240  
 tgaaagaccc caa 253

<210> 32050

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894695H1

<400> 32050

attggaatt gcattgcccg aactttaagc aatgttgagc atgatttggt gagctcggtg 60  
 catctcacag taaaaaaaaat ccgggatagc gtaaatatgt gaagacttca gagtcacatg 120  
 aggaaaaatt cctggacctc aagctgcaac ttcagggtccc cagtgaagg aagcttttaa 180  
 ttgacgacca aaccaagtgg aatacaacat atagatgctg gtggcagctt ctgaactaca 240  
 ggaagtgttt tcttgttg 259

<210> 32051  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894701H1

<400> 32051

agaatgtctt acgcttatct cttcaaatac atcatcatcg gtgacaccgg agttggaaag 60  
 tcttgtcttc tacttcaatt cacggacaag cgctttcagc ccgtccatga cttgaccatc 120  
 ggtgttgaat ttggtgccag gatgatcaca attgataaca agccaatcaa gttgcaaata 180  
 tgggatacgg ctggtcaaga atcattcaga tctattacaa ggtcttatta cagaggggct 240  
 gcaggtgcat tgcttgttta tgatat 266

<210> 32052  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894665H1

<400> 32052

ttatgcttgg atgaaggagg ctttggatga attggtcaga agacaaactc aactgcattc 60  
 caaaaaggat ggggatatga gtaggttgta aaaaaaaat tgtatagcgt gtttggttcc 120  
 aagtcacaga cgtgattttt acacgcttaa tcagaaacta atagttatag ttttcacatc 180  
 ctaaatgcga tttcttactt ctcaaaaaat ttcaaaaag cacttgggtct cttgcttttg 240  
 gaatctacaa agtggtagaa c 261

<210> 32053  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894702H1

<400> 32053

ctggacttaa atttgtctgt tttggagcag tatatggagg acttaacttc gtagtatatg 60  
 tccagtgtct ctgggagctg ttccgtggat ttgaagaaag accttttctt ccaattgccg 120

agtcaaagtt taaggcctaa gttctctgag ctctcattca acccacttcc atcatcaact 180  
 tcttcctttt cttcaccccg tacattcaca actctggccc tcttcaaate taagaccaa 240  
 gccgctcctg 250

<210> 32054  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894703H1

<400> 32054

gttagactct cgacagattc acaaagcgct ccaataagtc atactaaca tctcacagac 60  
 acacggcaag gaaaaggagc acaaagattc aggccaatgg ggataacccc gagggaagaa 120  
 caaaggcaca gatgacataa aagctcagtc aaatcagcta tagcagaata ggacataaca 180  
 taacaagatc agctgcaa at gaagttaa ac agaaagtttc ataagatat cccaaaaaga 240  
 tgaacaggag aaccagtgcc ttc 263

<210> 32055  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894626H1

<400> 32055

gttttaacaa gaattatata ctgatgtatt attatacatg caaatctgta caaattcaat 60  
 gtcactgcaa atggtaaaac caatcaaact ccagtaacat tgaatttgta cagatttgca 120  
 taactaataa tacatcagtt ttaacaagaa ttatatactg agaaaatcat attttgcaac 180  
 cattttcaca ttttttgcgt tagatacttg aaggtaagcg atcctattga ccaataatat 240  
 cccgaaacat ctggttgatg 260

<210> 32056  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894627H1

<400> 32056

cacaaggccg aaagcaagct catcctagag ttttaaaat ggcagcagcc tcctccatgg 60  
 ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gccccgaag 120  
 tcgggagggg cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggt 180  
 acggcccaga ccgcgtcaag tacttggggc catttctggc gagccccgt cctacctcac 240  
 tggcgagttc ccaggtgact 260

<210> 32057

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 700894629H1

<400> 32057

gtttgtcaga gaaggtgtgg ttcattgcagt tgaccaactt attttggtg gaaattcaac 60  
 caatatatcc acacaa 76

<210> 32058

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894631H1

<400> 32058

agcacacaca aaccctcccc tcacactctc caaaccctag cggcactaca cacgttatct 60  
 ctctctctct ctctctctct ccctctctcc ttccccaaga tgtcgagcgc cgatcccgag 120  
 caccgagaag aggaggaggc acccgccgtc ggcgacgacg aggacaccgg agcacacgtc 180  
 gtcctcatcg tcaagctcga ggaggttgct gtcaccccg cgaggaggac gaagatgcaa 240  
 tcctagatct caaatcgaa 259

<210> 32059

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700894632H1

<400> 32059  
 gccagagaag aataaaaagc ctttctcccg gggccagtcc agttcattgt agagagcaga 60  
 caccaacacc aaaccttaaa attattttgc ccctctgctt ctctctctgt ctttctcaga 120  
 agacaactca aaaaaacat ggacgtgggt cagatgcaga gacagtggat cgactacacc 180  
 aaatccctct tccttgaggg cttcctggat ggtcagttct gcaacttcag cagcttcaag 240  
 atgagaacaa ccctgacttt gtggt 265

<210> 32060  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700894634H1

<400> 32060  
 ggaagagaac tggaagtggc tgttcagaga aacaggtttc gcccgttaca acatcatcaa 60  
 gatcaacgct cttccttcca tcattgaggc gtttccaatc taacgaagag gaagccacta 120  
 cacttcatgt gcgtggtttt atgttgcag tgttgttatt attattaaca gctatgtgat 180  
 cttcgtgtga tgtggttttc atcggcacnc gtgttatgtt gtgtattaaa taaaagtatg 240  
 aagcgcccca ccaccaagta atatgg 266

<210> 32061  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894635H1

<400> 32061  
 tatggtggtt caatggacga aaatgactta tttattgaac cgacaatatt gctggatccg 60  
 ccacttgatt cagcagtcac ggctgaggaa atctttggcc ctgtacttcc aataatcacc 120  
 ctggagaaga ttgaagacag tgttgagttc ataagctcga ggcctaaagc tttagctatt 180  
 tatgccttca cgaaaaacca aactctgcag agaagatggg atctgaaaca tcacagga 240  
 gtcttgatt caacgatgca 260

<210> 32062  
 <211> 93  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894636H1

<400> 32062

atccaacaga actgaagata tcgtagctgg aaacgtctag cacccacaaa tgggtaactc 60  
 ccatggacac cggcatcgca aacacggtaa ctc 93

<210> 32063  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894638H1

<400> 32063

gggaatatta ggtctgcata cacaaaagat tttaccagta aagatattac aaagcagcaa 60  
 attgctgttg ctacttatct tattgataaa ctagctctga gggctggcaa tgagaaggat 120  
 gatgatgaag ctgatactgt tggttgctgc acattaaaag tagagaatgt gacaagagaa 180  
 ccccccaaca aacttaagtt taacttcctt ggtaagattc tatcaagtac gaaaatacgg 240  
 ttgaggttga gcttcctgt 259

<210> 32064  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894640H1

<400> 32064

ctctgccact tcttcgtcgg tgtcaaactc acacaaactc agcattcaaa accctcttcc 60  
 tgcgccaccg ccggaaaatg gaggcggtgg gtctgagact cagccgcgcc tcctcccgt 120  
 acggcgcccc caccgtgttc agcggccccg tcagaaagtg gaagaagaag tgggtccacg 180  
 tcacccctc ttccttacct aacaacagct ctcatctcac actaacaact ccaccaccac 240  
 cagcagcgct tcctctcg 258

<210> 32065  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894641H1

<400> 32065

atcgttggga tctccatacg ccgatctgc taaaatacgc ttgatccata tgggcctcct 60  
 cgaccacttg tgggacgaca ccgtcgccgg cccaaggccg gaaaacgggc tcggcaagct 120  
 ccgaaaacac cacaccttca ctttccgacc tagctccggc aaggaaacgg agggcgggag 180  
 cgtgagatcg tacggagacg aatcgtcgga ggaacgacga gagtgacgcg tagtatcatg 240  
 atcgtgaaac cgcccggg 258

<210> 32066  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894642H1

<400> 32066

tcttacttca tttaacctca caacaatcaa gttttgaatg gcaactgtga gaagtctgaa 60  
 gatcaagaca agtacctgca aacgtatagt gaaggagctg cattccttatg agaaggaagt 120  
 tgagagagaa gctgccaaaa cagctgatat gacggaaaaa ggagctgacc cccatgatct 180  
 caagcaacag gaaaatgtgt tggcagagtc tagatgatga ttcctgactg ccgcaagcgc 240  
 cttgaggccg ctttgcca 258

<210> 32067  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894644H1

<400> 32067

caacagttcc ataaccctct ctctatcttc cttcactcac ttaattttga caatcccaat 60  
 tcaattccca tcagaatgat taattttcaa gcatgttcaa acaccatctc aaacttggtc 120  
 tatgtttggt ttgtcctttt accaaccatg gccttaggag attgcacttg tgacacaata 180



gaggccacaa agagtgactc aattgaagtc ccactacaa aattgggtca attgcttctg 240  
tgcttgttgc tggggc 256

<210> 32068  
<211> 107  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894645H1

<400> 32068

gtcagtatat aatatacata tacaagtagt tctgctttga tactttataa taattaaaac 60  
cctggatttt gggttttcaa aaagaaaaaa aaaaaaaaaa aaagaag 107

<210> 32069  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894646H1

<400> 32069

cagaatccga gatcaacccc gacgaaggca aggggttttt ctgggttct tcagaattct 60  
gaaatggcgc ctgtttcagc tttagccaag tacaagctcg tcgtcctggg tgaccaatcc 120  
gtgggcaaaa ccagcatcat cactcgcttc atgtatgata aattcgataa cacctatcag 180  
gctacaattg gtattgattt tctatcaaaa acatgtatct tgaagatcga actgttcgac 240  
tgcagttgtg ggata 255

<210> 32070  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894647H1

<400> 32070

gaacgacacc caagtcgctc cggccttaat cgccgttcac cccgaccaat cctccgtcgc 60  
cgtcgcagtg ggcccgcacc tccgggtctt cgacctctg taagcaaccc ttcccaactc 120  
catctctctc acttcaactc agttacatta tgctgataaa cccacagtag cggttctgca 180

gcttctttaa ccgacgactc tgatggcgcc gtccgttcca caaggacaac atcccagcca 240  
 ttcgcttcgg cgcaaaag 258

<210> 32071  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894649H1

<400> 32071

ctcgagccgt tcgaattggg gtcttgctaa gaattttagc actagtgttt gtgtcaatat 60  
 tggtagtttt aggcctaggg tcgtgtcctt gacaccgcat gtagcgtcgg attttaggaa 120  
 tcaactctaca tcggttgatt ctcattctaa tgacacgagc tttgagaaga ttacattca 180  
 aagtggcttg aatgtcaagc cattgataat tgaaagaatg agactgatca cagtaaattg 240  
 gaggaagttg ctgaagaaaag at 262

<210> 32072  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894650H1

<400> 32072

cccactgcta gaccaactag tgatggtact aacagtatgt cgtcaaaca cacaccttca 60  
 cattcaggag ggttgagcac tggaggatct gtggctattg gaattgtagt tgggttttact 120  
 gtcctcagcc ttgttatggc cgtgtggttt gtacagaaga aaaagacgaa gggaacagga 180  
 tcaagaggtg gttatgctgc tgcttctcca ttacctatc ccacaactca ggtacattat 240  
 tcttgaggtc gcagtctcca 260

<210> 32073  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894651H1

<400> 32073

ggtttctcta gttgtgtgtg ctttacctac tctatatattt taccttattt ttgcttactt 60  
 tgtggcacta gtatttgttt tgggaagtag cgttgcttct gtaaacttgg tggcaggggt 120  
 atattattta tggaaataag tgggtggcttg gtagttattc ccgccattt ctctaattgct 180  
 gcctaataat ttaaaggagt taatcaggcc aatgatacag aatgctgcct actatttctt 240  
 tttgtttttt att 253

<210> 32074  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894652H1

<400> 32074

tccgtccagc cctgctagct agtttcaatt tcttttgctt tatttctgtc tatagaaaag 60  
 atatcaccca cttgctactt tatattttac tgcaaattaa atactctcgt gaataactaa 120  
 ctactattta attccttgcg ccattaccaa tgtttttatt ctgcaaaaca tacatagtag 180  
 tagtatttga tatttgctag gatttcaggt gtgcgctgaa acctccgtgt cccacgaaaa 240  
 ccttacaaaa ttgaattgt 259

<210> 32075  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894654H1

<400> 32075

gcagtgtctt tatgatgaaa gggggaacag tgtcccaacg attctgctgc tcgctcgcaa 60  
 agcgattgta ttcagaggga ggccttaaag cggaaggaat attccgaatt aatgctgata 120  
 acagccaaga agaatttggt cgtgatcagc taaacagagg tctggtacca cttggaattg 180  
 acgttcattg tttatctggt ttaataaagg cttgtttaga gagcttccaa cgggggtact 240  
 tgattccctc acccccgaac 260

<210> 32076  
 <211> 257

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700894657H1

<400> 32076

tcggaatggc acaattgaat cagatcacct atgtgtgatg tacgaccaa gatgttctgc 60  
 cttcctatat agcagagcca aaaatcaaaa agagttaa atcgagggtt caatggtgtt 120  
 acgatactca tccaaagaaa ttttgacact gccgcagcag atgtttaaag gattcgggat 180  
 cagcctaata gacaccttgg gatttagcag ttcaaacaac aaatggaatt gcatgactcg 240  
 ctccatgttt aaatttc 257

<210> 32077  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894659H1

<400> 32077

ctgaaatatt cagcgtat tt tacagtgagt gttgttggac ttggacagta gctgctgctt 60  
 tttcccttgt ctccagctac ctccgttcct cgatctcggt caccagacag aacaggatgg 120  
 gttgtcaagg tagcaaggag aaaaaatcaa agacagaatt tactacttcc tatggatcag 180  
 cagccactgg tagtggtggt ggtactagtt aaacactggt cagcctccgc cgccgccacc 240  
 accacctact actact 256

<210> 32078  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894625H1

<400> 32078

gttgattggt ccattgatt ccgaagagaa aagaaaagat gtttgagcca caacagctat 60  
 aactcgcgc gaagaccgag gaattcgacc tcgaatcagg agaaaccctc taccagggc 120  
 tgagcgtcgg cgagaaccag ctccgatggg gtttcatccg caaggtctac ggcatcctct 180  
 ccgcgcagat cgtcctcacc accctcgtct ccgtaccacc gttttctata ctccaatcaa 240

tgacctcctc aagggcaatt c

261

<210> 32079  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894661H1

<400> 32079

agatcctaata gatggagata taaatgatgt gagtgaatta agcgggaaag ggaagacagc 60  
 ccattatgat gatcatctta caccggcgga gaggcgatac atagagcaga gggagcaact 120  
 tgatgttcac agattggcta agatttctaa taaatctcac cgtgatagaa ttcaggattt 180  
 caaccaatat cttgcaaaca tgagcgagca tatgatattc ctaaagttgg tcttggatga 240  
 ttcaatgaag gccaatc 257

<210> 32080  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894664H1

<400> 32080

gaaaatttac atggaggtaa tcaaattcag tgtgctagt ttagccatga tggtcacatt 60  
 ctggttacag gggctgatga tgggctagtt aatgtatgga gagttagcaa gtttgggccc 120  
 cgcgcttac gacgcttgaa gttggagaag ccactttgtg gtcacacagc caaaattaca 180  
 tgccttcaag ttagccagcc ttacatgctt attgtagtgg atcagatgat tgcacagtta 240  
 ttatatggga tctcagct 258

<210> 32081  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894585H1

<400> 32081

cacttagttg acagattgat ggaaaatgaa aaaaatgagg taattgttgc tgacaactac 60

ttcactggat ccaaggacaa cctcaaaaaa tggataggtc atccaagatt tgagcttatt 120  
 cgtcatgatg tcacggagcc tttattgatc gaggttgatc agatctacca tcttgcattg 180  
 cctgcctctc ctatcttcta caaatacaat ccagtaaaga caataaagca aatgtgattg 240

<210> 32082  
 <211> 97  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894586H1

<400> 32082

ctcgagcgtg agatcttgc cgttccatga ttcttgaagt tattgtttta tctctttatt 60  
 aatgtggaat attatattta aatttataac gttattg 97

<210> 32083  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894587H1

<400> 32083

cttacagggt ccatgtatgt gagcgttgtg ggttgatagc tattgcaaat ctcaaaaaga 60  
 attcttttga gtgcaggggg tgcaagaaca aaactgacat tgttcagggt tatattcctt 120  
 atgcttgtaa gctcctcttc caagagttaa tggctatggc catagctcca agaattgctta 180  
 caaaggaggt caaaactaca aacccaaaaga agggagcctg ataaactttt tgacgaaagc 240

<210> 32084  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894591H1

<400> 32084

atgggtttcc cttcttttgc tgattgttgt cagttgtctt cttttaagcc ccaaaaagca 60  
 gcgaaaatag attgagatgt agtatttata ttggcgaagg tgtgagcact gagcagatac 120  
 tttaagctct agggaaaagt aatattctat ctgcgataag aggaagacca ccaccacaca 180

acatagctct gctcaaaaac acaaacacag tgagtgagtg agtgagtttg gctaatat 238

<210> 32085  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894593H1

<400> 32085

ctcttcttct cttgcggtta gggtttttagc gcagttcttc tagatttaag gaagatgggt 60  
 aaggaaaagg ttcacatcag tattgtggtt attggccatg ttgactctgg gaagtccact 120  
 accactggcc acctgatcta caagcttggg gccattgaca agcgtgttat tgagagattt 180  
 gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgctgggtg ctt 233

<210> 32086  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894594H1

<400> 32086

gagcatcact gaactaaca agcaacccta tgtcgaaggt ggtttgtgtc accggagcca 60  
 ggggcccatt cggatcatgg gtggtcctac tctcctcca gcgtgggttac accgtccatg 120  
 ccaccgtcca agatatcaag gatgaaaatg aaacgaaaca tttggaggaa atggaaggag 180  
 caaagagtca tctccatttt ttgaaatgg atcttcttga catcgctcca ttgccg 236

<210> 32087  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894595H1

<400> 32087

cgttggcatc attaacgttt tccctcctca ctctctctcc tcctctaaaa tcaactatacg 60  
 gttgtaccat tcaaattaaa gattgttcga actgcagagt aaactgcagt atagagctaa 120  
 taatcctcag atcaacgaaa aaaagagttc ttgtaggttt cattgtcatg gagctgaatt 180

cacagaagag accattttca atcaaattat ggcctcctag tcagaaacta ggcagacc 238

<210> 32088  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894596H1

<400> 32088

gatgctgcc a gctcgtccaa aaatgtagag gatgtatttg aacgtaggaa agatgaagac 60  
 attgatcaat atggaaggaa aatttttgat catgtttttg ggtataacat tgaattagct 120  
 ttgtcta atg aagagacatg gaaaaatcgt aataggccaa aacctatata cagcaaggat 180  
 atcctgtccg atgaaccggc tcaacaaaat ggaaatttgg agaaaaatat gaatctgt 238

<210> 32089  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894602H1

<400> 32089

cacggtttgg ggcacagtta aggtggtagc agtagcattg ttaggccata tctccttttg 60  
 ttctctgcct tgtattgagg taaaactcac aaatattata actttgatct ggggaagcaa 120  
 tggcatggag aggacatctt tcgaaaaaca taaaagaact tcggtttttg atgtgccagt 180  
 catctcctgc aagctcacct gcaagggctt ttgtggagag gatataagga actaaagaca 240  
 ttgaaccaaa attgccaata tt 262

<210> 32090  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894603H1

<400> 32090

gcaagcccca ctcaaccacc acacctctcc tcgttcacgc tacccttttc tgctcttctt 60  
 ctacctttca agtttttaaaa gtataaagat ggcagagaca ttcctattta cctcagagtc 120



ggtgaacgag ggacaccctg acaagctctg cgaccaaadc tccgatgctg tccctgacgc 180  
 ttgcctcgag caggacccag acagcaaagt tgcctgcgaa catgcaccaa aaccaacttg 240  
 gtcatggtct tcggagaaat cacgac 266

<210> 32091  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894605H1

<400> 32091

cttaattgat gaagaggcca aggataagtt gaagcaagtt cttcagtcct tgcgtgcatt 60  
 tactctaaga cttcaaggca aaaactaagc ttgaagttac tttaattcca cgaattattg 120  
 ttgaaataag ctgaggattt agaaataaac caatgttatt ctgaacgtga atgatgccac 180  
 tatgtataag gatggttttt aaaaaaaaaa aaaaaaaaaa agtaaaaaaaaa aaaaaaaaaa 240  
 aaaaaaaaaa aaagaaa 257

<210> 32092  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894606H1

<400> 32092

ctgcattgaa cggagcaaga attgtttatt tggatgggag attgcatgaa actgctctag 60  
 ttgttgaca tgaggcagtt aagaagaata tacctatctt aatagatgca gaaaggctga 120  
 gagaagggtt ggatgatctc ataaaattag ctgattatgt cgtgtgtgct gcacggtttc 180  
 cacaggcatg gacagaggca tcaacagttt ctaaactt gtttgtatgc ttttaagggtt 240  
 gcccaacatc aaatttgtg 259

<210> 32093  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894608H1

<400> 32093

aggaaatgct gtttcattag atggatagaa cccacaaatt caactggctt atcaccttca 60  
 ctattgttat tactcctcgg tggtctcttc cagcgccatg aaaaattcca attaatgggt 120  
 ggtgctacta gtttgttgaa agagcatttt ttttcaacat cttgatttca tgagtcacta 180  
 ttttgactga acaaagagat gaggtttatg ccccttcag attaatttgc cgtctccctc 240  
 ggccgcatac acgtgggcc 259

<210> 32094

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700894611H1

<400> 32094

eggctcgagg caaccaggaa tggaaaaata tgctcgcttg cccccagctt gggcatatcg 60  
 accaggtgta tgcattgcttt cttgttcttc atgaggctcc catttaggtc taaaggatta 120  
 caaaaatgaa aacataaaaa ctaggaatta attaagagca aaaaatagt agcgtgtttc 180  
 tttgtttatt atttttccat atgtttccaa tatatgtccc cgagtattat ttaacacgta 240  
 caatgtaaca tttggtcgaa 260

<210> 32095

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700894612H1

<400> 32095

caagatgaaa gcaagcctga tgttattggt gcagaaatta tgccattctc tttgcttgag 60  
 aaatggcttc ttgatgaggc tggttgccaa gagaaattag ttggttgagg tgatgatgct 120  
 aagtttttct aagttgggtt ctttttgtga catatatgag actgtggaat tttttatttt 180  
 atttcataag ttataggtag ggcctcatca ataattctcg ctttggcctt agagagagaa 240  
 gtttttcaag cct 253

<210> 32096  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894614H1

<400> 32096

ttcaatcaag cgaagggtggt ctcaattgac tcgattgcaa gtgatccacg acacactggt 60  
 cgcttcacaa aagcttcgaa tccaattcct cagtaacatc tgcaggaagt cttctccttc 120  
 accatgccac caaagccttt agactatggg tcaataaatg aaaacgtgaa gaagagtcaa 180  
 tatgctgtca gaggtgaatt ataccttcga gcttcgagct tcagaaagag ggcaaaaaga 240  
 ttatatttac taatgttggc a 261

<210> 32097  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894615H1

<400> 32097

gtggagatgg aggctagcat catggatggt ccaaaacgac gatgcggcgc cgtttcgggt 60  
 cttaccaccg ttaagaaccc gatctcgctt gctcgtttgg ttatggacaa atccccgcat 120  
 tcctacctcg ccttctccgg cgccacagaa tttgctaggc aacaggggtgt ggaggttgtg 180  
 gacaacgagt actttatcac acctgacaac gttgcatgct caagctggca aaggaagcaa 240  
 acacaatcct gtttgatta 259

<210> 32098  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894616H1

<400> 32098

gccacccact aacttgtttg gtccaagaca tggctctgat cctgcatgct accaaaacaa 60  
 acaagaatgc cttcaagact ctgattgcgg cagagtacag tggcgtccaa gtggaattgg 120  
 cccctaattt cgagatgggt gtctctaaca aaactcctga atttctcaag atgaatccta 180

ttggaaaggt tcctgttttg gaaacgcccg atggtcagtc tttgagagca atgcaatcgc 240  
tcgttacggt gctcgactaa 260

<210> 32099  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894617H1

<400> 32099

ggatatattc agatgaagac tgcagcgaac tgttcttacc tggtagttat atctacgagt 60  
tggtcatcgc ctaagtccac aacggataag atcggatatca cgtttgggga tgctaattggc 120  
aaccaggtat atgaaccaag actggatgat ccaatttcaa ggacatttga gcagtgttct 180  
tcagatacat ttcagataga tgggtgcttg gcactctcaa tttctatgtg tacctatata 240  
gatctggggc agaggaaggt tgggagcctg 270

<210> 32100  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894618H1

<400> 32100

cttctcttaa aagagccttt gctttttctt taggcctttc cgaattaagt acttgtttca 60  
ttgtctctcg aagcaagaaa aatgttcac gagagtttca aggttgagag tcctaacgtg 120  
aagtacacag agactgagat tcagtccgtg tacaactatg aaaccactga acttgttcac 180  
gagaacaaga atggcactta tcagtgggtt gtcaagccca aactgtcaaa tatgaattta 240  
aaaccaacac ccatgtccct aaact 265

<210> 32101  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894583H1

<400> 32101

ctaggcaccc agagacgagg aagggcgtag taagcgacga aatgcttcgg ggagttgaaa 60  
 ataagcgtag atccggggat tcccgatata ggtcaacctt tcgaactgct gctgaatcca 120  
 cgggcaggca agagacaacc tgggtgaactg aaacatctta gtagccagag gaaaagaaag 180  
 caaaagcgat tcccgtagta gcgggcgagcg aaatgggagc agcctaaacg tgaaaacggg 240  
 g 241

<210> 32102  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894619H1

<400> 32102

gtttgacaac ttgtacggga gccgtcactc tctccctgat ggtttgatga gggctactgt 60  
 cgtgatgatt cgtggaaagg tggctgttgt ggctggatat ggtgatgttg gcaagggttg 120  
 tgctgctgca ttgaagcagg ctggtgctcg tgtcatcgtg actgagattg accccatttg 180  
 tgcccttcag gctctcatgg aaggccttca ggttctacct tggaggatgt tgtttctgag 240  
 gctgatattt ttgtcaccac ca 262

<210> 32103  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894620H1

<400> 32103

cgacgacact gttttgttcc cctccgagtg gccgtacggt tcccagttg attctaccgt 60  
 tgggtggctcc agtgagaccg agagcgacga ggaggagcac ctgctcgtg agttaactcg 120  
 ccgcttaact cgctcctctc ttcaatctga taccaagtct gcgcgtcggg ttgtgtctag 180  
 ttctccacaa tccacgcttc acgcgttcgc aagtgggtgtg gttgcggcaa agggtcgagc 240  
 caggaagcc ctgatgggtg 260

<210> 32104  
 <211> 262

<212> DNA  
<213> Glycine max

<223> Clone ID: 700894621H1

<400> 32104

ccacaagtgt tcctttttgt ttgccgtatg ttatctcagc cactatagat aaccatgaga 60  
cacactccga agattgggtgt tcacgggtgc tttgtgtgtt ataatatatt ggtattgttg 120  
ttgagcagtt ttcataaacc aacatcatcc tcttcccact gtaaagcatg gctagtgcaa 180  
tccattccca ccgatatgcc ccacttatcc catgttcaag caccctctct accgggggatg 240  
tacttcagtg gctggctgca aa 262

<210> 32105  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894622H1

<400> 32105

aagggattgg gggaacggaa cgcacttgct ctaggtctag gggtcccttt tctatcctat 60  
ataattattc aaatttgcca atgattgatt agttatcttc tgtgcaactgt gagatcagat 120  
caaacactcc gggattgctt acaacaacta gattgattgc tcttgcaagg gaaagccggg 180  
gatcaccact aaacgtttgg acggacgcac tccatccatc atcacttaat aagcttgcta 240  
gcatgttctc gcagccttta 260

<210> 32106  
<211> 79  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894624H1

<400> 32106

ggttgctacg ttggtatctc tgtgttgtaa ttaaacttcg aattcaaact cataactctgg 60  
caactcgttg gtatgacag 79

<210> 32107  
<211> 240

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700894549H1

<400> 32107

caaaccctct ttgacatttt cttttctttc ttacagttc ttattaatcg atttacggac 60  
 acataggggt ttcacttttc tctacgcaga ttaattcaga tggaagtctc tgggcagaat 120  
 attgtgaaat gtgatgaaga gaaagcattg aagtgttgc ttgatgcctt tggctcagtt 180  
 ttttctcttg aagagattgc ttctgcctat tgcaaggcga gccgcaatgc ggacttggct 240

<210> 32108  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894551H1

<400> 32108

cccttgaggt ggaaagtctt gacaccatcg acaacgtcaa tgccaagatc caggacaacg 60  
 aaggaatccc cccggaccag caacgtctca ttttcgccg aaagcaactt gaggacggcc 120  
 gtacccttgc tgactacaac attcagaagg agagtactct tcacctcgtc ctccgtctcc 180  
 gtggtggcat gcagatcttc gttaagacac tcaccggcaa gaccataacc ctagagggtg 240  
 aaag 244

<210> 32109  
 <211> 118  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894553H1

<400> 32109

ctctctctct ctctctctct cactcacaga ttcagccttt ctaagtttct ctctctagaa 60  
 aaaccaaacc tcgtactct cttctccctt ttttttgta gttctttcct tatttggc 118

<210> 32110  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894555H1

<400> 32110

tgacgattgt gatttgcaag aatgtttgga gcataatctc cctgatagcc cttttgcttc 60  
 cccaacaaaa ggtgatggag acttcctggt tgcactctcc aatggaccta atgaggccaa 120  
 tgatgcagat gcctcagctg catctgccaa ctccaaatctt ggtactagca cattacttcc 180  
 tgcaacatct gctcttgaca tgggaacttt caaatccttt aattgccaaa taccaagggt 240  
 ctct 244

<210> 32111

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894556H1

<400> 32111

gtaaccaatc atcttttagtt cttcagtaat ttattgtggg attctattct aagattttga 60  
 gaatgtctag ctgtgggtgt ggaagcagct gcaactgtgg cagcaactgc ggttgcaaca 120  
 agtactcttt tgacttgagt tacgttgaga agacaaccac agagactcta gttttgggtg 180  
 ttgggcctgt gaaggccaat tggaggggtgc tgaaatgggt gttgcatctg gaacgggtggc 240  
 tg 242

<210> 32112

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894557H1

<400> 32112

ttttctttgc ttgctattct acaccgtgtc ttactcttg ttcttggtgc agcttggtgg 60  
 ttgcattgaa tcggagaggg taggtaggtt ggaagacgtg tcttgttttg tagctttccc 120  
 cttegtcttc tctctctttc ccggcgcattg tgccggatta gacgccaaact gcttccataa 180  
 ttcacctcct ccaaccaacc aacacaagat ttccctctgg attggatgga gaagcatgtg 240  
 aa 242



<210> 32113  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894559H1

<400> 32113

tcttcttctt ccattgacca ttgttggtgt tggtgctttt gttcgttctc gccatgccaa 60  
 tggtgtcttc gagaggcttc atcgcttata tcgtatctgc tttctcttgt gctgttctgt 120  
 ctgcgctttt tctcaccaac cacatccatc atgatgataa caagccaatt actttgtag 180  
 cctctcgtgt gtctgaaact cttaaagttt ggccagactt tgagccaagt ggagac 236

<210> 32114  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894560H1

<400> 32114

cttttccctt agattcagcc acagttggaa aaaaaaaaaa aaacttggtc gaaatggcac 60  
 gtacgaagca aactgctcgt aagtccacag gaggaaggc acctaggaag cagctcgcaa 120  
 ccaaggctgc acgtaagtct gcaccaacta ctggtggtgt gaaaaagcca catcgttatc 180  
 gccctggtac cgttgctctt cgtgagatta ggaaatacca gaagagtacc ggcttttgat 240  
 ca 242

<210> 32115  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894561H1

<400> 32115

ctcagtagtg tcatttacgc ttctcttctc tgcagcaact atgcctaacc ctaaggctctt 60  
 cttcgacatg accatcggcg gtcaatctgc tggccgcata gtgatggagc tctacgccga 120  
 cgtcactccc cgcaccgccg agaacttccg cgcgctttgc accggcgaga agggcgtagg 180

gcggacggca agccccctcca ctacaagggc tcgtccttcc accgcgtgtc ccgagtttca 240

<210> 32116  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894562H1

<400> 32116

gagagcgaga gagagagaga gaatggcagc acttgggtggc aatcgtgatg tggcaggaag 60  
ccagaacagc cttgagatcg atggtttagc tcgctttgct gttgaagaac acaacaaaaa 120  
acagaatgcc cttttggagt ttgaaaaggt agtaagtgca aaacagcaag tggtttctgg 180  
taccttgtag accatcactt tggaggcaaa agatgggtggg caaaagaagg ttatgaagcc 240  
a 241

<210> 32117  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894563H1

<400> 32117

ggtagcacia acgataaggt atcagcaaac tcagttcctc agactcctcg gagagagggt 60  
gagatcttgc agtcatccaa tttaaagagc ttaccttgt cagaacttaa gacggccact 120  
agaaatttcc gtccagatag cgtgttagga gaagggtggt ttggatcagt ttttaagggg 180  
tggattgatg agaattcatt gaccgctacc aaacctggca ctggcattgt at 232

<210> 32118  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894564H1

<400> 32118

cttggttggg atgatcactg gatcttctgg gtgggacctt tcattggtgc tgcacttgca 60  
gcactctacc accaggtcgt aatcagggcc attcccttca agtccaagtg attcaatcaa 120

accgttcatg cttaatcaag ttgggaacaa caaaaaaat caaaacaatg tttctgggtt 180

tcggtttcat ttcatacaaga tgatctgttt atcttttttt ttttaatttta attaaagtct 240

<210> 32119  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894565H1

<400> 32119

actagttcta gatcgcgatc taaaactagc ggagacgaag aagtgaagag aagagaagag 60

aagggatttg gatctgaaaa gagaagatag ggggaggaat ggaagcaaac aagaacaagt 120

tcatagagga ttggggcact gccagagaga atctggagtt caatttcctg tggactcgcc 180

gcaaccttgc tcttgttggc atcttcggca tcgctattcc cgtcctcgtc tacagggcat 240

<210> 32120  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894566H1

<400> 32120

acctaattgg tacttgcaat tagtgtagaa gatgagtacg ttggatgcaa caagggctga 60

acttgggtctt cttgttttat atttgggcaa ggctgaagca agggacaaaa tatgcagggc 120

aatacaatat ggttccaaat ttttgagtaa cggggaacct ggtactgctc agaatgtcga 180

caaaacaacc agcttggcac gaaaagtctt ccgtctttta agtttgtcaa tacctacatg 240

ctt 243

<210> 32121  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894567H1

<400> 32121

accaccctct gatccacgc tttttcaggg tcaacaatcc tggcagcaac aacatccacc 60

tcaaactcaa cctcaacatt tcaaccaca gaccataac taccacaacc ctctcccc 120  
 tccaatcaa ttctctcatc accataacca tcaatctcgc caacacaatg ttctctctcg 180  
 tccatttcca gaaaatggcc gaaaccataa tcagtgggaac cccaaccca cacacctcaa 240  
 aatct 245

<210> 32122  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894569H1  
 <400> 32122

tcaactttga aattcttaaa accctaactg gtccgaacca ttggagccac cgtgcaatag 60  
 ttctctctct cactctctcc ctcaacacac cattaattta ggtttcagct ttatttggaa 120  
 gagggttgta acgctgacgt gaaatTTTTc tgaagacaaa gatgcaggct tgtacaacga 180  
 tgagttcttt gcagcaacaa cctatttggga ccaaagggtt aaatttccct gaaaagggtg 240

<210> 32123  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894571H1  
 <400> 32123

ctggtaggaa gcctgtggat atgtcacagc caactggaca agagaacctt gttacttggg 60  
 ctaggccaat ccttagagat aaggagcggg tggaagagat tgctgatcca agacttgggg 120  
 gagagtatcc aaaggaagat tttgtacgtg tttgcactat tgctgcggcc tgtgttgctc 180  
 cggaagcaaa ccaacgacct acaatgggtg aagtgggtaca atcacttaaa tgggtgcagc 239

<210> 32124  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894573H1  
 <400> 32124

ttgcaattaa gtggcataga tcttgaagct gagaatcgcg tgcgcatga atagaggtga 60  
 aagttcaggt ggtggacaga gctcgttggg gtacctatgtt gggtcagaag agaagccaaa 120  
 tcagcctctg cccacaagga cagctccatt accaccctat ggcattgaca tcgataactc 180  
 catgccccat cacggttcta actgccaact tgttgtctca aacaaccgac tcaaggcca 239

<210> 32125  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894574H1

<400> 32125

cctagattca gccacagttg gaaaaaaaaa aaaagttggt cgagatggca cgtacgaagc 60  
 aaactgctcg taagtccaca ggaggaaagg cacctaggaa gcagctcgca accaaggctg 120  
 cacgtaagtc tgcaccaact actgggtggg tgaagaagcc acatcggtat cgtcctggta 180  
 ccgttgctct tcgtgagatt aggaaatacc agaagagtac cgagcttttg accaggaagc 240  
 tc 242

<210> 32126  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894575H1

<400> 32126

gcgagaggta cttactcaca gatatatattt tttttttttg tctccatcat tttctcgaga 60  
 gctttcagtt tgtgtggttc atctttcttc ttctccttcc ctccccctc tgtaacaccc 120  
 cgtttctctg aatccctttc tgtaaatcat ctgtctttca agctaagatt ttcggggttg 180  
 tctattaatt caccaagaag caaacttaga aggatttttc gaaagccggt gttttcaga 239

<210> 32127  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894576H1

<400> 32127

cactcagagt gcaagctaga gagagagaga tggaggatct cgaggaggaa gagaacggag 60  
 cggaggaggt gttgggggtca agcttgacca tggagaaagggt ggcgggcgcg aagaagttca 120  
 ttgagaatca ttatagggct cagatgaaga acatccaaga gaggaaggag aggcgttggg 180  
 ttttagaaag aaaattggcg tcatcggatg tgccaaatga ggaacggaca acctcatcaa 240

<210> 32128

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894577H1

<400> 32128

cgaacctttt ctccgataat cagagagaga taataatgga ttggggaaac gtaaccgcgg 60  
 aggatctgat cgacgcgctc cgtgaggtgg attggtcgtc gccgccgcgc cctctgtcgg 120  
 aattcttctc gcgattcacc gttcccagggt cttcctccaa atggaacagc cgcctcaaatt 180  
 gcaatctcta ctactaccgg accaactact tcattttgat tgtttcgttc tcatattg 238

<210> 32129

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894578H1

<400> 32129

aattacctga acaccacagt acctgattct tcattgaatc ctggaatgac acacaatatt 60  
 ggtgaatcgg gcttcttgca aactccagaa aatggggggc aaggaaacc aactaacaaa 120  
 acctttgtga aggtttacaa gtcaggggtcc tttggaagat ccttggacat cactaaattc 180  
 accagctacc ctgagctacg cagtgaagctt gctcgtatgt ttggcctgaa ggtgagttgg 240

<210> 32130

<211> 98

<212> DNA

<213> Glycine max

<223> Clone ID: 700894579H1

<400> 32130

actatatata acttatattg tactgtgctg cttttccttt tctgtatact tcgtaacttt 60  
catgagctat gtgttcattt ataacgtaaa atgtaaaa 98

<210> 32131

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894548H1

<400> 32131

atcgctgcc a ttaaggaagc cggtaatgtt aagaggtttt tcccttcgga attcggtaac 60  
gacgtggatc gtgtccatgc cgtggaacca gcaaaatctg cattagctat caaagcccaa 120  
attcgacgca gcattgaagc cgaaggcatc ccctatacgt acgtttccag caactacttc 180  
gctggctatt ttcttccac attagcacia ccaggtgctt ttgctccacc tccaccaaag 240  
acaa 244

<210> 32132

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894580H1

<400> 32132

tgcaaattctt cttgatttca ccatatgggt gacaaactag taggactagt tacaagtagc 60  
aattgaattt gcttgggttct acagctttta ctatttgcca ttctactagt tttcttcaat 120  
atatgtaaag aaatgccatg ccccgatggc ttcttgaact ctgcttttac tgatttttga 180  
gactaagcgt ttactttggt atctccaaca ttcaatctcg gtgcttttct atctagaaaa 240  
a 241

<210> 32133

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 700894581H1

<400> 32133

atgcgagtcg cggtcgcccc atcagaacgc acgttggtcaa cttcaccgcc gcacaagtgg 60  
gtctccccgt tgggatcgaa gccttcaacg tcgatacgcc tcgggaaatg acccccagaa 120  
tctacatggg cctatccctt ctccaacaag tcttcgaaaa ctcttccatg acttgcaacc 180  
ggatttcacg gtcaccgaca tgttccaccc ttggagtg 218

<210> 32134

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894582H1

<400> 32134

tgaaccctct ctataaaagc gcttccttct catttggaac ctattccatt ctctaaaccc 60  
taaacgactc tatctctctt cgttttgttc ttccttgccg tcctcctcgt tcgttcgttc 120  
tccctcgcgt agatcggcaa tggcggagac cgagacgttt gctttccagg ctgagatcaa 180  
ccagctcctc agtctcatca tcaacacctt ctactccaac aaggaaatct ccttcgtga 239

<210> 32135

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894506H1

<400> 32135

ttatctctct cgccctttct tttctcatct tttagtaaaa gggttatctc ctagtttcat 60  
ttttctcttg tttccaccat ttttctaagg cgaccttgga actggtttaa ttcaaagaca 120  
cttattccat ttgacattag aggccgtgtt cgaatacttc atcctccagt tatgacttgt 180  
ttcccattct catttggttaa gaaagtgcgc tttgtggcaa cacatgatcc agatattgtg 240  
aagtactct 249

<210> 32136

<211> 248

<212> DNA

<213> Glycine max



<223> Clone ID: 700894508H1

<400> 32136

gctttttcag ttttcctctt ctgaatccac cgccactgca gcgtggacgg aatcggagtg 60  
 cagccatatac agcagcagca gaagtccttg aagtgtgtct ctagtttgag gcacaatgag 120  
 attggagaaa tgctgggtttt gctcttcaac catataccct ggacatggaa tccagtttgt 180  
 tcgtaatgat gcaaagattt ttcgggttttg tagatctaaa tgccacaaga actttaaaag 240  
 aagagaaa 248

<210> 32137

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700894509H1

<400> 32137

agaagaacac ctcgtcatgg accttcattc caaatgggga aatagggttg agaaccatgc 60  
 agaaataatt aaactataag ctacctacct tccaatcatc atcac 105

<210> 32138

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894511H1

<400> 32138

gatcactgga gttttgctta atggacttga tcatggacaa aaagatttga cttggcagaa 60  
 gtggtcatac cagattgggtc taagaggaga ggctatgaat ttggtggctc ccaatggggt 120  
 ctcatctgtt gactgggaga aagactcact agctgtccga agccagtcac agttgaaatg 180  
 gcacaaggca tattttcaatg cacctgaggg agttgaacca ttggccttgg acctgacagc 240  
 atggg 245

<210> 32139

<211> 246

<212> DNA

<213> Glycine max



<210> 32142  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894520H1

<400> 32142

ctcactggaa gccttggtgt gagtaaggga aaggcttcct gcactgagca ccaagttgaa 60  
 acctcttgat tctttgctta gaattccaca gaatatggag acagttcttt tcaatgactc 120  
 cccacctttg gagttcaagg gtatgagcaa ggaggaggaa gactcattgc tagggcaagt 180  
 tgaaatatgg aggtacatga catgcttcac ggactccgtg gccttgaaat ccgtcaagag 240  
 ctgcgc 246

<210> 32143  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894523H1

<400> 32143

cagcaacgtc tcattcttcgc cggaaagcag ctcgaggacg gccgtaccct cgccgactac 60  
 aacatccaga aggagtcaac ccttcacctt gtccttcgtc tccgtggtgg catgcagatc 120  
 ttctgcaaga ctctcactgg caaaaccata accctagagg tcgaaagctc tgacaccatt 180  
 gacaacgtca aggccaagat ccaggacaag gagggaatcc cccagacca gcaacgttca 240  
 tcttcg 246

<210> 32144  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894524H1

<400> 32144

gctttgtttt gctcttcttt tgtaatggaa attgatcttt ctccccagtt ggccaagaag 60  
 gtgtatgaaa gcaatggtgg gtcttaccat gcatggctcc cttctgagct tcccatgttg 120

cctgaaggga acattggtgc tgccaaacta gctcttcaaa aaaatgggtt tgcccttcc 180  
 tgttactctg actcttccaa ggttgcatat gttctccaag gaagtggagt tgcaggaatt 240  
 gtgc 244

<210> 32145  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894526H1  
 <400> 32145

caatttctat tcttttgacc aagcatgac aaatggaatg gtggaaatgt ctagtgaag 60  
 gtgatcctga aattgatacc caaaagggtt aacctgaaaa cagcaaactt ggtgacctgg 120  
 atcctgagac tcgacagact gttgaaaaaa tgatgtttga ccagaggcag aagtctatgg 180  
 gcctccctac cagtgaagag ctccagaagc aggaaatgtt gaagaaattt atgtcgagca 240  
 tccgg 245

<210> 32146  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894527H1  
 <400> 32146

ctcgagccgc tcgagccgcg acacgacacc aaatattctc actcgtcgtc ttcgtctgcg 60  
 ccctaaagca aattcaattc aaactcttct catcaaaatc caaggctcgt tcttgaaacc 120  
 ctaattcgat atcctcctcc tcagaagaag aaggatcgat gtgggcagct tcttgccctgg 180  
 cgtcattgctg cgcggcctgc gcatgcgacg cctgcaggac cgtcgtatcg ggaatcgccg 240  
 ccgttccg 248

<210> 32147  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894528H1

<400> 32147  
 agacactgct tcagttactg tcttcatect ccatcttctt cgtgttaggg ttttcaaagt 60  
 tacagtgatt tcgagcatcg aacgaacgtc tactaatgcg ttttcagtaa ccaagtctcg 120  
 aagaagatcg cgattcccc aacgctttgt tgccataact cgcggaatcg acatcatatt 180  
 tcgacaaagt ggtaatggct tatttggagg atgatggtac ttctggctct ggtgagatgt 240  
 gcat 244

<210> 32148  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894529H1

<400> 32148  
 gcgagcaagt ccaagatcta catcgccatg gagctcgtcc gcggcggcga gctcttcaac 60  
 aagatcgcca gacgccgtct ccgggaggag atggccagac ttactttcca acaactcatc 120  
 tctccactgg acttctgcca cagccgcggc gtctaccacc gtgacctcaa gccagagaac 180  
 cttctctctg acgacgacgg caacctcaag gtcaccgact tcggcctcag cacttctccg 240  
 agcac 245

<210> 32149  
 <211> 203  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894530H1

<400> 32149  
 actcgagcga atcggctcag aatgaatcca acttaattgt acattttgat acttgtcact 60  
 gctatcgag ttactaatag cctaaggatt tttcatgtca caaaaaaaga atctgtatat 120  
 tctctctgtt atcgaccctt ttgatctcta ttctctatga actatctcct gtgtgcagtt 180  
 gtcataatc ttattcttctg act 203

<210> 32150  
 <211> 246

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700894534H1

<400> 32150

cagctcctaa cgccgcctgt ttagtttttag attctctgaa ggggtttttac tgtacagaag 60  
 tgtcaaatca ggacgtaaag aaggatgcta acttactggg tggtcgccga acatgtatca 120  
 tgctgatgga atgtctatgt gatttcctga gcaactcagg ttgtgtttct aatgtaattt 180  
 cagaagatat caaggaccgg gctaaggcag ttgctgaaga atggaaaccc agattgatgc 240  
 tcttga 246

<210> 32151  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894535H1

<400> 32151

tcaagtttat gaagtataga gatggcagag acattcctat ttacctcaga gtcagtgaac 60  
 gagggacacc ctgacaagct ctgtgaccaa atctctgatg ctatcctcga cgcttgccctc 120  
 gaacaggacc cagacagcaa gggtgcctgc gaaacatgca ccaaaaccaa cttgggtcatg 180  
 gtcttcggag aaatcacgac caaggccaat gttgactacg agaagatagt gcgtgcacct 240  
 gcagg 245

<210> 32152  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894536H1

<400> 32152

ggctgttgtg gctggatatg gtgatgttgg caagggttgt gctgctgcaa tgaagcaggc 60  
 tgggtgctcgt gtcacgtga ccgagattga tcccatctgt gcccttcagg ctctcatgga 120  
 aggccttctg gttctgacct tggaggatgt tggttctgag gctgatatct ttgtcaccac 180  
 caccggtaac aaggacatca tcatggttga ccacatgagg aaaatgaaga acatgccatt 240

gttt

244

<210> 32153  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894537H1  
 <400> 32153

gtgcgaggtc cctcgacctc cgcacaaccc caactccaag gggctgtgcc tgtcgccgtc 60  
 gtcttccacg ctcatgtcgg acaccgacat ccacgcgccg ccgttcctgc tccagcgccc 120  
 gccgactcct gcagtcggcc tcgccactct tcaagcagcg atcgtgggtcg ccggacgcct 180  
 tccgcgatga ggcgtggctc cggcgcaagg ggaactgcaa gaaccgccgc agcaaagcgt 240  
 caccgat 247

<210> 32154  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894538H1  
 <400> 32154

caccgtcgcc ggggaaggga gggaacactc catgtccacc accaaagtct cctgcacagg 60  
 ctacatgccc cattgacacg ctcaaactag gtgcttgtgt ggatcttctt ggtggcttgg 120  
 ttcacattgg cttgggagac cctgttgcca accagtgtcg ccccggtgctt caaggcctgg 180  
 ttgagcttga agctgcggtg tgtctttgca ccactcttaa gctgaagctt ctcacctcaa 240  
 ca 242

<210> 32155  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894539H1  
 <400> 32155

gaggagagta agagaacttc tgcttcgagt aatcttgcta aacttaaaga tatgtatggt 60

gattacaagg gatagtaaag gagatgccaa catggaaaga attcctagaa aggatagtgg 120  
 aggtgaagag gttattagac ttggcgggtc tacttggaag gattagttat catggaatgc 180  
 ttgtatcagg tggtggatgg ctttcatgga gaaaaacatt gggactagcc ctttgttgcc 240  
 agatg 245

<210> 32156  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894540H1

<400> 32156

gaaaggaag ctagaagggtt ggcctaagag ggtctttctt tcttgatctt tatggtagtt 60  
 agtcggtgct aaagggtata gcacctatc ttgtcttga tctattttca ttcgaattat 120  
 ggcttgagtt ttgctgtttt gagtctaagc ttcaagggtg aagtatgttt tggcttaata 180  
 tatgatttta attatggctt gagttttgga ttaatatgat ttggcttcta tat 233

<210> 32157  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894542H1

<400> 32157

ttcttcttct tcgtgcgtgc gtgtttctgt aaaatcgaat ctcaagactc tgaatctgaa 60  
 tctcaacaca accttcgttg ttctcaacac tgtgttcgtt tttgctgcca aggttacaac 120  
 actgaaagag acaccggagt aacataaata agatggacca acaaaaccaa aataacactc 180  
 cagatggttc aggagaggtg cctttgaagc gcaaactggt tcgtccacgg aaaacccaaa 240  
 gccag 245

<210> 32158  
 <211> 140  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894544H1



<400> 32158

tatatgtata catataccta taccctgtgc ttatagatta tagatggaga agaaatgggc 60  
attgttctgc atgagtcata tcatgcccta tatatatatt tttaatgtaa tgaacagatg 120  
atgggttaat tttgatttca 140

<210> 32159

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894545H1

<400> 32159

ggcttcgagc atccaacaag tggaagggga cgagtcagtt gtgctgcgcg tgactcattc 60  
caatctcaaa accttcgcct cggacatccg cttctcgctt cacctcaccg tcgaagccgt 120  
caaagacaag ctctggaaaa aatgcggcac ctctgtcaac tcaatgcacc tccaactcta 180  
cgacgacgct cgcaacaaaa ttgccgatct ctctgatcat tccaaacccc ttccttctat 240  
tccc 244

<210> 32160

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894505H1

<400> 32160

aggctggcct cgccaccgga atttggttcc gttgctgggg tgggtgcgcc gccgtggtga 60  
cctcctcctt gtgtatgatt tcatggacaa tgggagctta gataagtact tgtttgatgg 120  
gccaaaaaca atcttaagtt gggagcaaaag gtttaaggte atcaaggatg ttgcttcagc 180  
ccttttgtat cttcatgagg gctatgagca ggtggtgata catagagatg tgaaggctag 240  
caatgtgct 249

<210> 32161

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894547H1

<400> 32161

aaaggctcca tctttctctg gttctgttgt tgcctaagaa tgggaggaaa ttccagtttc 60  
 agggatgaat ataccttcga acaaaggctt ggagaatcgc gggatattgt ggccaaatac 120  
 cccgatcgag tccccgtgat tgtggaaaga tatgcgaaat gcgatctgcc tgagttggag 180  
 aagaaaaaat accttggtcc tcgagacttg tctgttgggc atttcattca tatttgagtt 240  
 ccag 244

<210> 32162  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894458H1

<400> 32162

ctaggatcca tttcatgctt tctcatcacg ccctgttat ctctgctgag aaagcatacc 60  
 atgaacagct ttccgttgcg gagatcacca acagtgcctt tgagccatcc tccatgatgg 120  
 ccaagtgtga cctcgcgcac ggcaagtaca tggcgtgttg tttgatgtat cgcggcgatg 180  
 tcgtgccgac agatgtgaat gctgcagtgg ccaccatcaa gaccaaga 228

<210> 32163  
 <211> 118  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894459H1

<400> 32163

gagtgacgaa gatcttgacg ctcaatcagc cttcgttcat gaagaattta ttggaaaaca 60  
 gaatgtatct aaagaatctg ttgctgacca agatattgga ctgatgagaa cagaatgc 118

<210> 32164  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894460H1

<400> 32164

tttgcacgat cattgtgacc cgaagattat tcatcgtgat gtgaaagctg caaacatatt 60  
 gctggatgaa gagtttgagg ctggtgttg ggactttgga ttggccaaac ttatggatta 120  
 caaggacacg catgtgacaa ctgctgtacg gggaactatt gggcatatag ctcttgagta 180  
 cctctccacc ggtaaactct cagagaaaac tgacgttttt ggttatggta tcatgcttct 240  
 ggagctg 247

<210> 32165

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894463H1

<400> 32165

tcattcttct ttcgttgcta cttctactgt ttcttctcc gatccctcat tgccgcaaatt 60  
 gactcctcct gctagtgtta ggtgaattcc ctgcttcac atgcatgac gcaccttcaa 120  
 ctctcttctt cttcttcttc tccatggctt tttttcaagg ttttggcgcc gtggagttcg 180  
 tttttagtca tcaccgtatc atcagcttca gcttgcttcc accaaaacgg ctttactatt 240  
 tgggtgtgtt 249

<210> 32166

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700894465H1

<400> 32166

ttcggttcca tcttctccga tctcctcaaa ctctatcagc gcagaaccaa gcctctatca 60  
 ccatggggaa gacacatgga atgggagctg c 91

<210> 32167

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700894466H1

<400> 32167

tgtgattctg attttctgat aatcacacaa tcgtggacca agaccaccgt tgcttcttct 60  
gcaccctagt gatgattggt catcattgag tggcacctgc taatgcattt aaaagcaatc 120  
gatattttcc ttttattttt ttttcttcca aatatttgtg tttgtacttt tcttttctct 180  
atttatcctg tgaaaaacgg tggataatta attcaggcaa atgatttttt 230

<210> 32168

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 700894467H1

<400> 32168

cttccactgc gaccccttct tcggttcgac gagattttta cccatttggg tggactggtg 60  
atccgctcct gtgcgaggct tacattaacc acgtccacac cggtgaaagg tacgatgtgg 120  
gatcgctttt caacgttact gcaaacaatca tcaagcgtgc tactgcactt gctgaccgtg 180  
ttgct 185

<210> 32169

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700894468H1

<400> 32169

cttgcattgac ggatcaccca cccatatcaa caaattacgc cgcaaaattc ctcgcctgct 60  
gcacggcgcc gccgccgccg ccgcgattaa ctctctggac cgaaagcgaa gagcgaaagg 120  
caaatagaga tgaacgcttg caggtgacgt ggcatctcca aacttacttt tgatttcact 180  
taccctaaacc gccacacagc agacactggt tccttactct cgattcgacg cttc 234

<210> 32170

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894471H1

<400> 32170

tgagagggca ggggtggatga gcaagtacaa aattcaggcc aaaaataaca cccctgctgc 60  
tcaggagaaa tgtattgttc gcctgttgct ttaccatttt ggtgtcaatc tacctgttat 120  
ggttttttca tatcccgctc tcagatacat gggcatgcgg agtagtcttc ccctaccgtc 180  
ctggaaagta gttctaattc aaataatctt ttacttcatt ttggaggact ttatattct 239

<210> 32171

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894472H1

<400> 32171

caaggaaact tgatgagacc actccagtgc ctgccacaaa cggtaactga gaaaagtgtg 60  
gatcatgtgg tggtagcact tatccgtcgc caccgccacc gttactacca ccaccgtcgc 120  
caccaccgcc ttcaccaaag aaaacaccac cctctcagta ttgtccgcca ccaccaccgt 180  
catcgttcat atacatcacg gggccgccgg ggaacttgta tccggtcgac gagaatttc 239

<210> 32172

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894473H1

<400> 32172

ccgaaagtta gagtaaaact taacataaag gaaccaagat ttgggtgggc cggtcgggc 60  
acacacatgc gagcattgga acgatacaag ccatcaatgc taatggaaag ctccgaatat 120  
acacgccaga gggatcaaaa gcatggatgt tggacccttc agaagtggag gtggtggaag 180  
agaaggggtt ctgcattgga gattgggtta aggtcaaagc attagtttca cccccacca 240  
ccat 244

<210> 32173

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894474H1

<400> 32173

tgcttggtgca cagggttatgt atgcctttgt aatgcgtcct gagagcttgc caaaatccta 60  
tcaagacttc attcaaaaga ctgggccagt tgcagagcct gtatacaagg ctgtaaggga 120  
tagctgtaga ggatcattcag ttgatgttgc ttactacat gcttatttat ctggtgtagg 180  
aaagatcgac tatgcaaagt tggaagaatt tcctccata attccgtgtt ccccca 236

<210> 32174

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700894475H1

<400> 32174

ctcgagccga atcgggtcga ggtcaagacc gacaactcat gttagcgaat taatttactc 60  
actatactaa ctctaactc caacttcagt aaaatccccc ggggtttcga tggatcttga 120  
tcccaatt 128

<210> 32175

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894477H1

<400> 32175

atggaattga aatacgcat gcaagaatct ttaacacata tggaccacgc atgaatattg 60  
atgatgggag tgttggtcagc aacttcattg ctcaagcact gcggggggaa ccattgacag 120  
tccaatgtcc gggaacacaa actcgaagtt tctgttatgt ctctgacctg gttgatggcc 180  
ttatccgtct catggaagga tcaaaccacg gaccaatcaa ccttggaac ccaggtgaat 240  
tta 243

<210> 32176

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700894480H1

<400> 32176

catgactgga gcgacgagca ctgcatccag atcttgaaga actgcaggta tgcaatacca 60  
tagactacag gctaactcat aatcgtggat cacgatcttc gatccgatag caaccgaatc 120  
ttcagagatc gttggcatcg catccgagat gatgcttctc gatcataacg ccggtagcaa 180  
agag 184

<210> 32177

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700894484H1

<400> 32177

aatcgtccca acggcaatag caacagcatt aataataatc cctcccttgg tcagctggct 60  
tcacattaca tagcgggttaa gtttaaaagg ctttattcat ctcttacagg acgaaagttg 120  
tatgtgtcgc cgggtgaaggg gttggagcct ggtagtggtg atgcatcact taaatacgcc 180  
aaagaaattt tgaagtggag tgaagagaga ccaaac 216

<210> 32178

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700894485H1

<400> 32178

gggaaaaatc aaatcaacat gctgagagtg ggcgcaaaga gggttttgga aacgacgttg 60  
tttgggggta gggttccggc gaggctgtac cacgagaggg ttgtggatca ctacgacaac 120  
ccccggaacg ttggatcggt tgacaagaac gacccgagcg tggggacggg tttggtgggg 180  
gccccggcgt gcggcgatgt gatga 205

<210> 32179

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700894486H1

<400> 32179

atattttgat gctttagagg gatgtgcat gggaaatgtt cattgagact tgcaaaaggc 60  
 tgaaaattat gaagggttct gatgccattg gtttagctcc cagggccatg gaaaagtcta 120  
 aaagcaggat ttagggatct ctggatttcc tcttttgtct aatcaagtgt ttattgttgg 180  
 atcctccgaa ttgggaaaac caaagg 206

<210> 32180

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894487H1

<400> 32180

attgaagctg tcaggatgtc caaaaaagct ggatggggtg tcatggccag tcacagaagt 60  
 ggagagactg aggatacctt cattgctgac ctttctgttg gtttggtac ggggtcaaatt 120  
 aagactggag ctccatgcag gtctgagcgt cttgctaaat ataaccagct cttgagaatt 180  
 gagaggactt tggctctgaa ccagtgtacg ccggagctaa cttccgtacc cccgtt 236

<210> 32181

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894488H1

<400> 32181

gtcaagggtta ccaccagggc agctggtcgg aatggacaat ataggaacat gttgaactct 60  
 agaggcattc agaagaggag aagttctctt aggaaaagga agcccgtagt cttcaatgg 120  
 tgagtatacg cagaaatggg gcagtagctt ctgatttaac aggtggtagg aaaaacaata 180  
 gccaatgcc tgttgtgacc tctagcagga aacttaggag tatggccaat gatagcac 238

<210> 32182

<211> 238

<212> DNA

<213> Glycine max



<223> Clone ID: 700894489H1

<400> 32182

tagaaagaaa aaaacttaaa tcaaaatact taatagcatg gcgatacatt tatacaaaac 60  
 ttctacccca agcacacgca atggagccgt agacagtcaa gtaaaatcca atccacgaga 120  
 tcatttgatc tatggacagc atcggtgtgg taaaggccgt aatgccagag gaatcattac 180  
 cgcaggcata gagggggagg tcataagcgt ctataccgta aaattgattt tcgacgga 238

<210> 32183

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700894490H1

<400> 32183

tttcgatgct cagtcacctc ttttaccatt ctcttctctc ttgctcttgc aggagagagc 60  
 catgtccatg catcgctacc tgaggaagat tattgggaag ctgtttggcc aaacactccc 120  
 attcccactg cactgcgaga gcttctaaag cctctccctg caggtgtaga aatcgatgca 180  
 ctcc 184

<210> 32184

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894491H1

<400> 32184

ggcttccctc gcaattacag ctgttgccat ctctacgccg agttccgggc agaagaatgg 60  
 atcaggaggt tgttttctta gtggaaggaa tttagagggtg aaaaaggaga gagcagcaat 120  
 tggaggacga tcgatgggca ctacagtgtg cgcagttgct gagcctgaca gacctctatg 180  
 gttcccaggc agcaccctc ctccatggct tgatggcact ctacctggag acttcg 236

<210> 32185

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894492H1

<400> 32185

aacaacaaca aaaatcaagc caatgtttgt gggtttttgt ttcatttcat taagatgatc 60  
tgtttatctc ttttcttctt tttaaaattt aaagtctttg tattttgtat gtaaagatgt 120  
aaaattatga ttattaggtg gtgcatgtgt cgcgtcatgg gccaatgtta tcctctgctt 180  
ttaagttgga agaggcccaa ctcatgtgtg atgtacggct gtgattgtgt aatttaattt 240

<210> 32186

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894494H1

<400> 32186

gcagtgaaga cactacagaa cacaacacaa acacagagaa agagagtga taaatccagc 60  
attgttctgt tctctgcaac attctccact ctcaaccatg gcttcaaagc ttttactcat 120  
cactgtcttc gtttttgatt tgattgcttt tggacttgcc gtggctgctg agcagagaag 180  
aagcaccgct agtgttgtga cggacaatga aaagaattat aattactgtg tctataactc 240  
tg 242

<210> 32187

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894496H1

<400> 32187

acacaacaaa aaaagacaac acagagagaa gcgtcttaat aaacgctctt ctctgaaaaa 60  
cctgatttct tctcttcttc tcttctcttt cgtttcgatc ttcgatctct gaaaatgaga 120  
gagtgcattt caatccacat cggtcaggcc ggtattcagg tcggaacgc ctgctgggag 180  
ctctactgcc tcgaacacgg cattcagcct gatgggcaga tgccaagtga taagactgtt 240  
ggcggagg 248

<210> 32188  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894503H1

<400> 32188

gctcctctga ttcattcacc cagttttttt tttctgtcct cttttcctct cagaggagcc 60  
 tctgagtctg ctcaggtggt ccttgtgaag agatcctttt gtttttgagg tgtgaaggga 120  
 aagaaaaaaa aaaaagggtga atcagtgtgg ttatcagcag aagaatgctt tgacaagctg 180  
 tgaggagatg aggatggaat cagtgggtgtg ccctaaacca cgaagattgg gcctgttgac 240  
 cactcaacct tt 252

<210> 32189  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894457H1

<400> 32189

gtacaaagca cacgctccac atttgtgtttt ccggtgaata ttccggcaac tgcattgcacc 60  
 ggtgaacgac gccggcaatg gacgagtcac agagaatttg catcggttta atgcgtagtt 120  
 tcgctcgccg gagatcggtc gaggaccggt catcttcccg gcggcgacgc tccatcttct 180  
 ccggcgcggg catttcggaa tctgtggacg ttgacgactt tgccgacgtc tttggtggca 240  
 caccg 245

<210> 32190  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894504H1

<400> 32190

tcggccagaa cctcgacggt cgtaataaa ccgtgaacga ggctcaatcc cgtggaaaag 60  
 gtggcggcgg cggcggcggc ggctacggag gagtggtgg tggttacggt ggcggcggag 120  
 gttacagccg cgggtggagga ggatatggtg gcggaggagg ccgccgtgaa ggtgggtata 180

accgcaacgg tgggtggagga ggatatggtg gcggtggcgg cggatatgga.ggtggtggag 240  
ttatggtggc g 251

<210> 32191  
<211> 77  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894417H1

<400> 32191

gtgactttgt tgagaagaat caacggtaca acatctctga ggatacctgg caacaggttc 60  
tagctttcag ctgggga 77

<210> 32192  
<211> 101  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894418H1

<400> 32192

ctttcttcct cttcctcagt agtgcgattt tgcattctct tctctgcaac tatgcctaac 60  
cctaaggctc tcttcgacat gaccatcggc ggtcaacctg c 101

<210> 32193  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894419H1

<400> 32193

ggaactggga aaacagcaac tttctgctct ggaattctgc agcaacttga ctatcgtgtg 60  
actgaatgcc aagccttggg tttagcacca actagggagc ttgctcagca aattgaaaag 120  
gttatgcggg cactcggaga ttatcttggg gtgaagggtgc acgcatgtgt gagagggtacc 180  
agtgttcgtg aagaccaacg catatctatc aagtgggtgtt cctgatgttg gtggtact 238

<210> 32194  
<211> 242

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700894420H1

<400> 32194

cgagtgttga acagagaaga agggagaagc caatcatggg ttgcacttca ctgccatctt 60  
 ctattcagat gtgatctgct acacactcca gctacagtga aaaactccgc aaccctcaca 120  
 agaagtctca aatagagata cctgcatcta gatgagcggc tctcacaaca gttacttggg 180  
 ctttttcttc tccatgcaaa gctcttcaca aatcagtacc tttggctgct ccacttgcaa 240  
 tt 242

<210> 32195  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894422H1

<400> 32195

tgtaataaga gtgtcggaga tacagaaatt tctggacata acaggggtcc aaacttacat 60  
 tataaacagt gccaagattg tgttcttgaa tgagaggcct caacctaggc ctggcaaagg 120  
 agttaccaac acctgccaag tctgtgagcg caccttctcg attcattcag cttctgttcc 180  
 cttggttgtc agatagtagg aacctccaag aagtccgga agaagaaaat gttagctgag 240  
 a 241

<210> 32196  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894425H1

<400> 32196

tgtctggaag gcggttatca tgttttagac gaatcaactc attacagcag tgatcttcgc 60  
 ccaactgcga aacagctgtg gaagtccagt attggagtcc ttgaactggg tatattgagt 120  
 gctcatgggt tgatgccgat gaaaacaaaa gatggtaagg ggacaactga tgcttattgt 180  
 gtagcgaaat atgggcagaa gtgggtgctg acaaggacaa tcattgacag ctttgcaccc 240

cggtaggatga

250

<210> 32197  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894426H1

<400> 32197

tttgatcgct agataggagc tccacccgaa gtggtggcgc gtatggctgc ggctaagcgc 60  
 gagtttgagg cacggcaacg atcttcagat ggttccaagg aaacttcaga agaccctgaa 120  
 cttgaccact tcttggcagg atactatggc gtgcttgtga agtatagtga tgaattagcg 180  
 cggcgtattc acgaggctat ggatttcacg cgaaggatac atcctcagct agatatgc 238

<210> 32198  
 <211> 150  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894427H1

<400> 32198

acggcatccc gttgttgcac ccagggctcg tccctggtgg ataatccaca gttctgaaga 60  
 taggtgatga tctcttgaat cacaatcttg gatgcaaacc tcagtagtta cgacctgcct 120  
 gtgcgatcta acatgggaac cgttcggacg 150

<210> 32199  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894428H1

<400> 32199

tctccacca agcagggatg tagctgttct tgacttctca tacaagtttg ataagaatat 60  
 ggtcaacgcc aaacttcacc ttctagctgt ccctaaatag tttccttggg ctaaaactgt 120  
 atctgctgaa gaattttccc ctcaatggaa aatcactttt cttgaccacc tttaaagctt 180  
 caagaagtgg ttagaggagt tagaccctt cactgcttg aactggcaaa cttattcaat 240

agctaccatt taa

253

<210> 32200  
<211> 254  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700894430H1

<400> 32200

ggaaaatggg gagctgttcg tggcttgtca tgtgtgagga tttcctagtt gccgancgtg 60  
ttatgcgtgc ttcaggagtg tattgaatct gagatgtcct taatgcaaca ctcgagtata 120  
agttctacgg acgttgtcct agagtagctc gagacgtaga ggacaacttt gatgcagatg 180  
attttgatga tgcgttgccg gttaagaatc atcgtgacga tctagatcgg aaccccaatg 240  
ttagtcatat tggc 254

<210> 32201  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894431H1

<400> 32201

tgagcccatc tcctggtttt cagatgatgc agtcaaacga ggtgcagcag tttgggcata 60  
ttgactcaaa tagtaciaaag tcatttgctg ttgtaaatac ttcaacatct agccttccag 120  
atgtgaacac ttctgcttct ccacctatct tgtttcatca gcctttcaca gatcagcagc 180  
aagtacaatt acgtgcacag atcttcgtat atggagcttt gattcaaggc acagtaccgg 240  
atgaggctta tatgat 256

<210> 32202  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894432H1

<400> 32202

gccgttgact ggcaagctga cataacgaaa tgctatcctt atcttgctca actgcaggta 60  
 tgcaatacca gagacgacag gctaagtcac aatcgtggat caggttcttc gacccgaatg 120  
 caacgaactc ttcacagacg ttggcatcgc atccgacatg atgcttctcg atcacaacgc 180  
 cgggtggcaaa gagaggaccg aatagaactg gaactggctg tacaacgaga cggtttcgcg 240  
 cgttac 246

<210> 32203  
 <211> 101  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894433H1

<400> 32203

tggagctggt gataagaaag caattgaaga aagaagtgag cagattagat cagcaattga 60  
 aaataagcac ttcagataat gacaaggaaa agttacagga a 101

<210> 32204  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894435H1

<400> 32204

cacggatcaa catgacttgt gttaatcatg aaactggagt ggttgaacca aagaaatttg 60  
 gtcttcttgc aaattggcaa agagagtaca ccatggagga catactgacc cagctgaaga 120  
 aggaaatggc cgctcctcat aaccggaagc ttgtccaacc accagaaggt acctactttt 180  
 agcacccaag atggtataaa tggttgatcg cattgcatat ttggcggaat caaaaaatag 240  
 tgggg 245

<210> 32205  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894438H1

<400> 32205



agcggacata ctagaccgtt atggtaaacc actatccttg tcgcaaactg tggagaacat 60  
 agaagacgca ccctccccag atgcctctct tctccagaga gtcctgagag tgatgggtgcg 120  
 cagaaagatc ttcagtgcac aagaatcaga gacaggagaa accctcttcg gcttgacacg 180  
 agcctcgaag tggatccttc gcgacacgaa aatgacccta gcacccatgt tgctgctgga 240  
 g 241

<210> 32206  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894439H1

<400> 32206

cttaacaaca gcacaaagcg ggttactgtc tgttcaagct accatctctc tctctctttc 60  
 ttagtgccctc cttgccagaa gttaaaatgg cccaagaaac tttcctattc acatctgaat 120  
 cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg 180  
 catgcttgga gcaggaccct gacagcaagg ttgcctgtga aacctgcacc aagaccaaca 240  
 tggtg 245

<210> 32207  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894440H1

<400> 32207

gagcggagag actcatcgct acgacctgtc gtctattcgc gctgtggtca ccggcgcggc 60  
 acccttagga ggggaacttc aagaagccgt taaggctagg ctaccacacg ctacttttgg 120  
 acagggatat gggatgacag aagcaggacc acttgccatt agcatggcat ttgcaaaagt 180  
 accctctaag attaaaccag gtgcatgcgg aaccgttgtg agaaacgccg agatgaaaat 240  
 cgtgg 245

<210> 32208  
 <211> 241  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894442H1

<400> 32208

tgcttgtgca caggttatgt atgcctttgt aatgcgtcct gagagcttgc caaaatccta 60  
tcaagacttc attcagaaga ctgggccagt tgcagagcct gtatacaagg ctgtaaggga 120  
tagctgtaga ggatcattcag ttgatgttgc ttcactacat gcttatttat ctcgtgtagg 180  
aaagatcgac tatgcaaagt tggaagaatg tcctccata attccgtgtt ccctcattca 240  
t 241

<210> 32209

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700894443H1

<400> 32209

cagaactcaa gcaaccaatt tcaaatccaa tcatggggag ctcaaccttc tgtgccttct 60  
tcctcctgtg tgcaatcttg gccgtcca 88

<210> 32210

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700894444H1

<400> 32210

cagtggagta aaagtcacag tgactccaga tagacttcag ttacagaga gtagtaataa 60  
acttggctac caagttattt tttcctcaac gctgacctct ttgaagtgcg accgtttgga 120  
tctattactt ggagtaacgg caaatatatg gttcgaagtc catttgtatt aactaaatag 180  
tgaaattaca agcagtgatg aataagttca agttaagttc ttaacaaaaa aaaaaatggg 240  
cggccg 246

<210> 32211

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894447H1

<400> 32211

ttccatcttt tgtccctgaa ggggtgtgagg tgaatttggc caagccaagt ggccatgaaa 60  
tcattggagc agtgacttgt agttccaaag aggctgattt cagggccagg ggattggcca 120  
atttgcaatt cagttggatc ctttcttcaa ttctgatatt tgcaggaatc atttgcttga 180  
aactttctag gaaatgtaca attacaacaa accggttgga gtatgagaga attcaaacta 240  
aaggtgc 247

<210> 32212

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700894448H1

<400> 32212

tgggacagac agtggcaatg catggagggg acagtatgaa gataactcag ctgcctcctt 60  
taataggtaa tgatgtcaaa tgctgacgct taagagagat caacttgtgc atttcaagtg 120  
gtggtggaga accaacttct taacctaaca aaacttctgg ttggtgcttc tcaaatggaa 180  
agtacacatt cattacaaat gatgcagttt attggggatt gtattagagg tggactggac 240  
ccataactgc atcctagt 258

<210> 32213

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700894449H1

<400> 32213

tgcaaagggt gctttggaca ttcataatct gcgtgaagag aatccagata agttttataa 60  
ccagtttatg aataaagttc tatatgcaag a 91

<210> 32214

<211> 210

<212> DNA

<213> Glycine max

<223> Clone ID: 700894450H1

<400> 32214

tgaagagtgt tagagaattg atctacaaga ggggctatgg aaaagttaac aagcagagaa 60  
 ttgctttgac agacaaccct ataatggaca agcttttggg gaagcatggg atcatttgcg 120  
 ttgaagatct gatccatgag atcatgactg ttggactcac ttcaaggggg ccaaaaattt 180  
 tcctggggct taaaaaactc aaaccccccc 210

<210> 32215

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894451H1

<400> 32215

cctttttctca cttggagctc ccaattgaaa cccaatttcg taatccctcc acactttctc 60  
 gttcggaaaa ctgcggaatt ggaaagacat cgacggctcc gcgtgatacg ttctcttcct 120  
 gtctggttat caatgttggc tattagtgc aattgcattt tgcccgtatt accaccagtc 180  
 agaagagggtg gccactgcat tgaacagttt gtttcctcca cattgagctt tccaagacg 239

<210> 32216

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700894452H1

<400> 32216

agaagtgcaa gtttcattga agggatctcc aaatcgatc atgtgaagca tgcattcgac 60  
 attaaaggtt cctctgttaa ggttctaaat tgccatgagt ctgctatata catcttagca 120  
 cctttgagat atgcaactgt ctatggatgt tcagatgcaa caatagttat aggagcagtt 180  
 ggcaaggctg tgaaagt 197

<210> 32217

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894453H1

<400> 32217

gccgtttag gtatgaaaga tgaagctgca ggagaaattc cagttgcatt tgttgtaagg 60  
tcaaattggtt ctgagattac cgaggatgaa ataaagacat acatttcaca acaggtggta 120  
ttttacaaga gaataggttag agttttcttc acggactcta ttcttaaagc accccccggc 180  
aaaattctgc gaaaggtatt aactgcaaga cttaacgaag gtttggtggt ggccaatta 239

<210> 32218

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700894454H1

<400> 32218

agcataacca tgtggcggag actcttctct tcttcaaacc tcaaagccct acacacaaca 60  
ctctctcctt ctcgccccg actcgccgcc cagactctcc tcgcccccca cttcaccgcc 120  
caatcaggtg cttcttcctt caaaaagagg gttgaagatg tcgtgccaat tgctaccggc 180  
cagcagcgtg aggagattca ggccgatctc gagggaaggg ata 223

<210> 32219

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700894416H1

<400> 32219

ctaaccctaa ttagtttttc gagattactc aatagcaaaa cccaggtga gggtagagga 60  
agatcagaga tgtggtggag atcagcatca ttcacatgg acaggcagca gcagcagaac 120  
cagggggact cctcaaacc taatatctct gcctactatg agaccagagc ggcgcaccac 180  
ggcgtggtca ccagcgactg gctggcccag gctcaggccg ctattggccc cgaacctcaa 240  
cctcaacctc aactcagccc cg 262

<210> 32220

<211> 102  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894456H1

<400> 32220

catgggcccc ttgcagaagg cgaatgagaa atcagaaccg gagcgggaag tgggcctgga 60  
 actgggcccgg accaaataca agtacacaac agtgactcac gg 102

<210> 32221  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894377H1

<400> 32221

atgcgattcg tattcgggtga tctgggtccgt ttcctagacg aaatgggtgta agaattgtaa 60  
 gctccatgat tgattgatgg gagcagtaaa ccatataatt taatttaatt tgtgtccaca 120  
 tgagaacgtc gtgacctgca ttttctatct cgcaacaccg cgataatggg ataaaaatagt 180  
 ttcagatacg ttgcgttgat tgattgggtat gaagtgattg actttttttc ttcttctatt 240  
 ctcacacat 249

<210> 32222  
 <211> 152  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894378H1

<400> 32222

cgcttctggc tcccgtgtg tgctctgctt cacactactg tatctcatcc actccctatc 60  
 gctgcaattt gggataccaa agataccgt agatcatcag agaaaaattc aattgaagaa 120  
 gaggttgaaa cttaaactgc tgaaccgcaa gg 152

<210> 32223  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894379H1

<400> 32223

ataacttttg gttgctgtta tcagtcggga aattgtatat ttcaagttgg ttttgtttcc 60  
atcctctaaa aagctttgaa gagaacaagc tcattttccc tcaacccatt tatgcacgag 120  
tttcatgctg gaacttcac tgtctttaaa atatgctctt ctcaaagca tcatttttgc 180  
tcctgc 186

<210> 32224

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700894380H1

<400> 32224

gacttctgtt gatgaaagtt cagactagtt tggcacagtt cagattccat caccttggaa 60  
gcctgttttg gaggattctt caacactaca aatatttttt gattactatg ccattacaaa 120  
acccctctt tcaaaggagg tctgtacatg cgtttgtttc tatgattgta tttttaatgt 180  
ttagaccttg aagttcacta attaaccact aaaatttgaa tccttttttag ttcttgggaa 240  
attgtctact acttac 256

<210> 32225

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 700894381H1

<400> 32225

cagagatcgg aacgtggaac tgcggaaacc ggaatatctc acttctcaga tcagatcaat 60  
ccgacgtcgt tgcagttata atggctccat tcagcggcga tgagacggca ccgtttttcg 120  
gcttccttgg agcc 134

<210> 32226

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700894383H1

<400> 32226

ccaatatacct cttgttaaacc accaccccct cccaaaataa aagaagtggg gaagatgtat 60  
tgataataaa aataccctgt ggtatgtaat gtatcatatg tactatgtaa tggcttgaag 120  
atgtgagaat gtaaaataag aagcacagtg attggagtgg tttta 164

<210> 32227

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700894385H1

<400> 32227

aggcgattcg tattcgggtga gctgggtccgt ttcctagacg aaatgggtgta agaattgaaa 60  
gcatgatgat tgattgatgg gagcagcgaa ccatataatt taatttaatt tgtgtccaca 120  
tgagaacgtc gtgacctgca ttttctatct cgcaacaccg cgataatggg ataaaaatagt 180  
ttcagatacg ttgcgttgat tgattgggtat gaagtgattg actttt 225

<210> 32228

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700894386H1

<400> 32228

tagagattaa agagaggaag gggagggggc tgacacattg ttaccttgta ataggggtttt 60  
ttcatttatt ctttgattat attttctgtg gggttttagtg ttattctctt tccagtttca 120  
tgtattataa gaaagaggca ttgaatgata aattattccc tcttcaaaat gggggatcct 180  
cagtctcaag aaattacttg gtcataatgt taggtatggg tcttgttctg ttt 233

<210> 32229

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700894387H1



<400> 32229

cacaaggcag aaagcaagct catcctagag ttttaaaaat ggcagcagcc tcctccatgg 60  
 ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gccccgaag 120  
 tcgggagggt cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggt 180  
 acggcccaga ccgcgtcaag tacttgggcc cattctctgg cgagcccccg tcct 234

<210> 32230

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894388H1

<400> 32230

gcgcaacttc attcattcag gctaaatggg gaggatcaaa cctcaggctc tgctacagca 60  
 aagcaaaagg aagaaggggc cttctcgcat aagtgccacc attgttacat tctatgcatt 120  
 gattcttgtc atgcttgtgt ttatcctgtt tgttacatac agacattggt ccaacaggac 180  
 aagacttcaa ccagagagct atatatcagt ctctgaggat gaatatacat ctgtgg 236

<210> 32231

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700894390H1

<400> 32231

ctgggactga ttatagtgaaggggccatca gccttgccca aagccttgct aatcgtgatg 60  
 gattttccaa cgtcaaattt ttggttgatg atgtcctcga gacaaagttg gaacaagagt 120  
 ttcgacttgt catggataaa gg 142

<210> 32232

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894391H1

<400> 32232



<223> Clone ID: 700894395H1

<400> 32235

atcgcaatag aaatggaaag taacgcacca gtactagcag agaaagtgtg gagcatggta 60  
 cgtgtgctgt tgttcatgct tcgaaaaggc atatcaaagg ggaagctaata gatggatctc 120  
 aacatgatgc tcaaacgccg cggcaagctc gccggcaaag ccattgccat ccaattgtcc 180  
 acaaccacaa ccaccgtggg tcccacaagt cgcaacttcg gttctctgct ccaagggagt 240  
 acgagttcag ct 252

<210> 32236

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700894396H1

<400> 32236

aacaacggca agaactacaa gttcgcttac atctgggtcg gaaactccga aacccaatgc 60  
 ccggggcaat gcgcttgcc attccaccaa ccatttata ggccccagag tccaaccttt 120  
 gctattccca tcgtatttaa ttggctaata tgtatggtca taaacctcgc tagcctcctt 180  
 gccggaaccg ccaccaaacc attcggaaac ggttacttcc aggggtaccgc ggaagctccg 240  
 ctcgaaactg cgt 253

<210> 32237

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700894401H1

<400> 32237

ggttataagg aagggaagtt gaagtggctt gagagatttg cctacgcaaa cacaactgtc 60  
 tacccttca cctca 75

<210> 32238

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894402H1

<400> 32238

atcccttttag cttaatTTTT tggctacgtt atgggggatcc ttagcgatca tcataatcag 60  
 aagcatcacc accaccacca acaacaagag aagaaggagg atctgaagga cattccaaaa 120  
 ggggtgtttgg ccatcttggg agggcaaggg gaggagcaac agaggtttgt gatccctgtg 180  
 atgtacatga accaccatt gttcatgcag ttgctgaaaa aacctgaaga ggaatacggg 240  
 ttcgccag 249

<210> 32239

<211> 119

<212> DNA

<213> Glycine max

<223> Clone ID: 700894403H1

<400> 32239

ttttatttgg cattgaaaag ggtccagaag tactcaacgc tgtagaccg gctggatcgg 60  
 cacttggtga tgactggcac tgcctgaaaa ccatggtgag gacttttgag acacattgt 119

<210> 32240

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894404H1

<400> 32240

atgatttgct gctgtaacaa aatggatgct actacacca agtattccaa ggccaggtat 60  
 gatgaaattg tgaaggaagt ctcttcctac ttgaagaaag taggatacaa ccctgacaag 120  
 attccttttg ttcctatctc tggttttgag ggagacaaca tgattgagag gtccacaaac 180  
 cttgactggt acaagggtcc aactctgctt gatgcactct agctgattag tgagcccaag 240  
 aggccttc 248

<210> 32241

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894407H1

<400> 32241

gcaaaattta aaatttactg gcagccaacc tatcaagtga ttcagccaat caacggtgac 60  
ccattcattg gaagcctgga aaccccagtt acatccagcc ctttgatcgc atggtacttg 120  
tccaacctgc ccgcatacag aaccgcagtg agcccactac taagagggat cgaggtgggc 180  
ctggtccacg gataccttct ggtgggcca ttcgtgaagg ccgggcctct taggaacacc 240  
gagatcgc 248

<210> 32242

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700894408H1

<400> 32242

ggcgtcgtca caaccagaga tggagcatcc aaagaaggtt tttggttggg ctgctcggga 60  
ctcatctggg cttctctccc cattcaactt ctccagaaga gaaacggggg agaaagattt 120  
ggtattcaaa gtgcaatact gtggaatatg ccaactcagat ctacatatgt taaagaacga 180  
gtggggcaac acaacctatc ctctggttcc tgggcacgag attgctggtg tggt 234

<210> 32243

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700894409H1

<400> 32243

caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt 60  
gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg 120  
aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc 180  
ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatggtg 240  
atggttttcg gaga 254

<210> 32244

<211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894410H1

<400> 32244

tgggcatcta attaatgtaa ctgaggatcat gctcagttaa gttgtattaa aagggagaca 60  
 tcaagagcag gagcacaatg gaggaagatc taatagtga ctaaagtttc caagggtaag 120  
 catatataga ggtcaccctg tagttagaag agaaaaatgt tccatggaag ctgggaagct 180  
 aataagggtg cctgattcaa tagaggaact aaaaactatt gcaggtaaca tttcaagttc 240  
 ccatcaattc 250

<210> 32245  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894411H1

<400> 32245

tttagttgcc tttaaaccctt atttccaaat tggaggcatt gtccaccgtt atctaggcgg 60  
 tcaaaccctt gttatggaag atgttcaaga aattgctaca aatatttttg gaaggatgtc 120  
 cctettaaga gattattccc tgagggatta cgatggatta attggagctt ggagagacag 180  
 gatcataatg tgcacaggga catatgggccc tactcctgac ct 222

<210> 32246  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894413H1

<400> 32246

acttctggta tgcgccaccgc cggttgctta acgaagcaat caatacctta cataatgctc 60  
 gagagagaag actgtttcgc ttcgctgtgg cagaaataca cctacgatcg tctccacctt 120  
 catttgagga agcaagtttg cgagttaccg cacttaccgt ttcccaagtc ttaccctcac 180  
 tacgtgcctc ggaagcagtt catagactac ttgggaaact acgttaacca ctttgagatc 240

aagcctctgt

250

<210> 32247  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894375H1  
 <400> 32247

cggtcgttca ctttcaacttt accaactcct aacaatttct ctctgtttcc ttcttcaccg 60  
 catcaatgga cttggacggc gttctcctcg gcatgtgcaa cctctcctc gacatctctg 120  
 ccgtcgtcga cgacgctttc ttgcaaaaat acggtatcaa gttgaacgat gcgattctcg 180  
 ctgaggataa gcacaaacct atgtatgaag aattggctaa caatcctaata gtggagtaca 240  
 ttgc 244

<210> 32248  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894414H1  
 <400> 32248

eggctcgagg gctaccactc gcccagttcg tccatggttt cgcttagcct caattcgctc 60  
 tagccccacc ccacccccac cccctgcacc tgcccctgcc caagagccac gcctgccagc 120  
 atttagaact gtttcagcac catcatcacc acagattcag ccaactcaac cagctcccca 180  
 gcctcaagaa cacccttctt ctcaacataa cagattctcc tcttcttcac tccctacttc 240  
 ccagagaat aaaaacatta cccg 264

<210> 32249  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894415H1  
 <400> 32249

ctcttcagac accaccactg aggagtttct caatgagaac caagttgacc accccgtgtg 60

gctcattgcc actgtgggggt tgcaagaatc gatcatcaac tccatcacgg ttgcaagta 120  
 caagaagaat gaaggggttg ttgaaggaac cgagtgttcg gtgtgtttga acgagtttca 180  
 agaagaggag acattacgac tcttgccaaa gtgcaaccat gcttttcacg ttccttgtat 240  
 tgacacttgg ttgag 255

<210> 32250  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894343H1  
 <400> 32250

agaaaatata gatggtagct atatgttgca gttcttaaat tcatgttata ttgttgggtt 60  
 aagctttgaa attgaaatag tacatagttt gattattcta catttagctt cagatccaaa 120  
 tattaacaaa aacaaaacga taccctgtta tttctgttaa cttgtaggtt agttgcatat 180  
 gctctccaat ctctgggtct ggagaaagga tctgcaattg caattgatat gccaatgaat 240  
 gtcaag 246

<210> 32251  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894344H1  
 <400> 32251

ctcgcgtctt cgagtttcac agcgaagtcg taggagggtt tcaaaagatg gagaacatgc 60  
 agagcttctg gcaattgggc gatgaactcc gtggacactc aaaagcatcg gaggatcaca 120  
 aatggttaat ggttgcttcg aaattggcgg aacagacaag attgaagggg gagcgtgtga 180  
 acaaccttga tctttcaaag ggccccattg aaacaaggtc aagggataaa tttgggttcc 240  
 aggaagaga 249

<210> 32252  
 <211> 251  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700894345H1

<400> 32252

gaaatgaagt gtccttttgt ccagcttgaa gaacatcatg tccagtgagt ggaggtgcac 60  
 tcctttttatt gcgatcactc tcacacactt cttgaataat tagctaacta ctgtgataaa 120  
 gatataaatg tcacctacta gctatagtca tttatttttg tccatggaag ttcaaactca 180  
 ctccctctcc cccacctttc atttccacct tctctcccaa tggaccaccg acaccaaccg 240  
 accttctctc g 251

<210> 32253

<211> 117

<212> DNA

<213> Glycine max

<223> Clone ID: 700894346H1

<400> 32253

gtttgttggt gtaactcgtt cttcttcttt tgttggtctg tgtttgtgtt tgtgttttct 60  
 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagctcc tgcaagt 117

<210> 32254

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700894347H1

<400> 32254

gaaaagtata gaaaaagctt ttccaagaat tggcaaaaag agaagaaggg agagagattc 60  
 atgttcatat tttccccttc gtgcccgtca agtttctgat tctctttttc aattcctttc 120  
 tctttcaggt gattttttct ccacgataaa gttgcgattt cgccggtgtc gttttgcgga 180  
 gatggt 186

<210> 32255

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894348H1

<400> 32255

tttctgatac atttcggcgt atactcataa catctcaggc tgagattctt ccctcattgg 60  
 acgacgaaca aattgtaaata ataccatata gtggtgaatg cctaattcaa gggaagaaca 120  
 aaatctggat tggcatatct cgtgctgtgg gttccaagtg tgaaagatgc tggaattatt 180  
 cagagcaggt tggttcattt ttggaccacc ctaccctctg cagccgctgc cacgatgttg 240  
 ttgctgttca gatgcccc 259

<210> 32256

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700894350H1

<400> 32256

gcggcggcgg cggcggagga agctgctaca gctgtggaga gtctgggcat tttgccagag 60  
 attgcccatc aagtgtctgt tgaatttact gttagggttg tttatgtttt gcggattgtt 120  
 ttaagttttt actttaatat gtcttaggga ttttaatggt ttctgtccaa actatgggtt 180  
 cttatgagta gatgtgtggg atttttcttt tttggttatt taaatgaagg gtttc 235

<210> 32257

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700894351H1

<400> 32257

ctctagcaca caaaacttgc tatagcagta agctataact catttgaggc tctgtgagaa 60  
 ttgagaaatg gctaaagatg ttgaggttca agagcaagga ggagagtact ctgccaaaga 120  
 ctaccatgac cctcctccag cacctttgtt cgaccagag gagctcacac agtggtcctt 180  
 ctatagagcc ctcatcgctg agttcatagc aacccttctc ttcctttatg tcaactgt 237

<210> 32258

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700894352H1

<400> 32258

gaccattctc tcagcctagc taataagatt tgtgagagaa agggagaaaag ggtgtgagaa 60  
 tggagagcaa agaggaagat gtaagggttg gagcaactaa gttctcagaa aggcaaccaa 120  
 ttggtacagc agctcagggg gacaaggact acaaagaacc acccccagca cctttgtttg 180  
 agcctggtga gctaaagtca tggtccttct acagagctgg aattgctgag ttg 234

<210> 32259

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894353H1

<400> 32259

gatcgggtcca ggttgggaga accctcgca gcttatagct gatgatgcct ggttgaatgg 60  
 tgaattcatt actactgttc aacaacgtgg tgctgcaatt atcaaagcta gaaagctttc 120  
 aagtgcacta tcagctgcta gtgctgcttg tgaccatatt agagattggg ttcttggaac 180  
 tcctcagggc acctgggtgt caatgggagt atattctgat ggttcctaca atgttcag 239

<210> 32260

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894355H1

<400> 32260

cagccaccgc cataccaaga agaagaagaa gaagaaagt gttgaagagt ttggtggcaa 60  
 accagatatt aaatggagac tttatgtttt caaggctggt gaagtgctaa acgagcccct 120  
 ttatatacat cgccaaagt gttatctttt tggaaggaa agaagggttg ctgatatccc 180  
 tacagatcat ccatcttgca gcaagcaaca tgctgttatt caattccggc aagtcgaa 238

<210> 32261

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700894356H1

<400> 32261

gcgcacccctt ccgtttctac caccgactca ggggaaggaa agaaggaagg aaggtgtgaa 60  
 caacaatccc agcacaaaac ccatgagaaa cgagttgttc gtcgttgga tcatgtatta 120  
 actgacctc actatctcac tcgctatttg gtctttgaca gatgaagaaa ggatgag 177

<210> 32262

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894358H1

<400> 32262

gttttctga tattctctcc ctttttggtg gggttctttt cagttttctc agcctttctt 60  
 caaactcttt ctctgcgtga tagatgtgtt tctcctgac ttcagctctg gattctgggc 120  
 ttggttgcaa aaaggtcatt ttttattggc ttatgagggg gcaggttttc agcagataag 180  
 tagcttagct tccttggtca taagccttga aggtttttga tgctgttttt ctgcactttt 240  
 tga 243

<210> 32263

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894359H1

<400> 32263

ttctggttca gtggagataa atgatgggaa aataatatct gtcgttgagg gacatgctat 60  
 tcaggggaag cctaagcaag aagaagtaat tgattatgga gatgctgtta tcatgcctgg 120  
 cttgattgat gtgcacgtac atcttaatga gcctggaaga actgagtggg aaggatttga 180  
 tactggtacc agagctgctg ctgctggtgg tgtaaccaca gtggttgaca tgcctctaaa 240  
 ctgt 244

<210> 32264

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894360H1

<400> 32264

gaaaaatttg caaatgtoga atttcctgag caacactaat ccggaaccta acaagtcctt 60  
tgagggtgaat cagcctccca ctgattccgt gtccagtctc agcttcagtc ccaaagccaa 120  
cttcctcgtc gccacttctt gggacaatca gggtcgttgt tgggaggtag cacagaatgg 180  
agttaatggt gccactgttc ccaaggcttc tataacgcac gatcatccgg ttttgtgct 239

<210> 32265

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700894361H1

<400> 32265

caaccactct taatttctct ctgccttgct catttacaca cctctccaac ctttcacttt 60  
cagctttatt tgaatccctc tctctccttt ccaaattggcc agcggttgagg ttgcacatca 120  
aacaccaaca acagtgccag aaaatgaaac aaccgaggta atcaagaccc aggaaacaac 180  
cccggaacca gtaccagcca ctgaggctcc tgcaacagaa caagcagcag ctgagggtcc 240  
tgctcaagaa gaacaa 256

<210> 32266

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 700894362H1

<400> 32266

caactttttc tacttacctt ttctcttaat ccaaatacga tggcagccat ggcaaccaca 60  
accctctctt caaaccccaa actctcattc ttcaacggaa agcccgtcac atattctt 118

<210> 32267

<211> 175

<212> DNA

<213> Glycine max

<223> Clone ID: 700894363H1

<400> 32267

ggggagttct agccgtggct caagcagcgg cagaggtcta gttggcgatc catctgaacc 60  
aatcaaaggt tacgccatgc cccagagttg gatttaatgc tagttatcgt tttcattgtc 120  
atgggtctccg tagttaacaa gttttatcag catgttacat tattactcca ttcta 175

<210> 32268

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 700894364H1

<400> 32268

attgctttta ttgtattccc caactttgat gtcctggctt gtgctgaaca cagaaaactt 60  
taaccgaaag gtccttgaa tcttgtagac taggtattag gacttaaggg aatgtgagct 120  
ctgccattga aattgtatctt aattggctaa tatatttgta tccacagcaa agttgtgacc 180  
acctttgca 189

<210> 32269

<211> 165

<212> DNA

<213> Glycine max

<223> Clone ID: 700894365H1

<400> 32269

ctgggctgac aactgaggtt aagtctgttg agatgcacca tgaggctctc acagaggctc 60  
ttccaggtga caatgttgga tttaatgtga agaatgttgc agtcaaggat ctcaagcgtg 120  
gttttgttgc atccaactcc aaggacgacc ctgccaagga agctg 165

<210> 32270

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894366H1

<400> 32270

cttcaaattg ctccgaccag gaccaggata ttcattgtggc cctgccaaaga ttgttccatc 60  
 cactgccatc ctcacagatg atcgcaggcg aaaaatgcag gcattgatgt cctggaatgt 120  
 gacatgcact tactcacagt ttcttgctc caagaatcca agctgttggtg tttctttgtc 180  
 atctttctac agtgacaaag tcacaggttg cccaccttgt gcttgtgggt gccagaat 238

<210> 32271  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894367H1

<400> 32271

ctcaaagctc tctgcttttt tgtgacacag atcccttgct gggttcaagt tctcacttt 60  
 ggattctctc cctaattgggt tctctgacg gattgtttaa ccggcaaaga agtcttcatg 120  
 agatccttgg tgggtgtcaa gttgcagatt taatactgtg gaggcggaag aaccttactg 180  
 tggggatatt gttggtcaca ctagctgttt gggttgtgtt tgaaagatct gg 232

<210> 32272  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894368H1

<400> 32272

ctttttctac ttaccttttc tcttaatcca aatagcatgg cagacatggc aaccacaacc 60  
 ctctcttcaa accccaaact ctcattcttc aacggaaagc ccgtcacata ttcttcccgc 120  
 gtcgcgccca ccaccaaatt atcctcatcc aaacaaggca caatttccat gtccctaacc 180  
 ccacccccct acgacctcca gtccttcaaa ttccagccca tcaaagaatc ca 232

<210> 32273  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894369H1

<400> 32273

agaggctcca ttggatgttg acatcaaggg tgggtggaagg gttgtggtgt tgaacaccaa 60  
 gaatcttccc ttggttggcg aggttggact aggggctgat cttgtgaggc tggatggaag 120  
 agccatgtgt tcgcctggat tctcttgtga ttctgctttg cacgttactt atattgtcag 180  
 gggtagtggc cgggttcagg ttgttggtgt tgacggcctg agggttttgg 230

<210> 32274  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894371H1

<400> 32274

taatgatcta tatttatcat tcttagttct cataataatt aagagttctt atatggtata 60  
 ctgtttatat ttatagtctt gcttccatca ataatatcat cagcttgagt ttgattatg 120  
 gttttggttc ttaaccctt ctgcatttgt gacatctact ggaagattga atggttcaag 180  
 ttcagtctcg gaaacgtatg ggaatccatg ccttgcaaat tctcaagact ttgaa 235

<210> 32275  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894372H1

<400> 32275

gaagtgtgag gcttctggat ttgtctatgt taatgatata gtccttgcaa tcttagaact 60  
 tctcaaacia catgagcgtg ttctatatgt ggacattgac atccaccatg gagacggtgt 120  
 ggaggaagct ttctacacta ctgacagagt catgactgtt tctttccata aatttggtga 180  
 ctattttcct ggtactgggg atgtacgtga tattggatat ggaaaaggaa aat 233

<210> 32276  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894340H1

<400> 32276



ggctgcta at gacttaccat ccatcaatga tgtgacttgt tctgagctag ttgaaattat 60  
atcaaagtta aaggatgaag atggacagct tgtgggtgtc agtacttcaa atctctta at 120  
tgccaactct ggcaatgatt tacctgtcat tgatcttaca agagtgtcac aggagcttgc 180  
ttaccttgcc agcgatgcag atcttgtcat cttagaaggg atgggtcgtg gaatag 236

<210> 32277  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894373H1

<400> 32277

atatttgaggt ccaagtgtag gtattaaaag atttcacttg gactccaaaa tgttgagaat 60  
tggttgaatc atgcacatat agatattatt ctattctgct gcaaaaggct tgtgaaacta 120  
agcagagcag catccagact ttttaacagc tgagacatca tccctactgc caacattgat 180  
ggctctgccc ttgggcaagt ttattgtttt ctctttttct ttttcttttc tttt 234

<210> 32278  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894374H1

<400> 32278

tgaacttgaa gctctatata aagaaaagag caagactact cagaaccctt ttggcgcttc 60  
gttccacaac atgaagccac atgagatgat ggagccattg atggtgcaac cggagcagca 120  
atggagacct cccactcaat atgaacaagg tgcagccaag gagaacaata atagtgaag 180  
aaaagaaaga gaggaggagg aagaagaaga agatgatgat gaaaatgaag agggagatct 240  
ag 242

<210> 32279  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894306H1

<400> 32279  
aggcgattcg tattcgggtga gctgggtccgt ttcctagacg aaatgggtgta agaattgaaa 60  
gcatgatgat tgattgatgg gagcagcgaa ccatataatt taatttaatt tgtgtccaca 120  
tgagaacgtc gtgacctgca ttttctatct cgcaacaccg cgataatggg ataaaatagt 180  
ttcagatacg ttgcgttgat tgattggtat gaagtgattg actttttt 227

<210> 32280  
<211> 207  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894307H1

<400> 32280  
gtcagctttt tcttgcctcc gtagttcata tggcgtgtgt tcaagtcac acagtttttc 60  
tctttgcatt ggctctagct aaaatttacc cctcaacatg tcaagtgggtg cagggaaaag 120  
tctcctgcgt tgactgcact cacaactatg acttatctga tattaagggt tcggtgaggt 180  
gtgatgggtgt gaaaaaactg gcttttgg 207

<210> 32281  
<211> 152  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894309H1

<400> 32281  
gagcatttgg gagttaggtt ctgcacgctc tgcttcacgc gagtggttctt tcttcgtttc 60  
aacaccttaa tttgcacacg ctgcttcttc ggcttgagaa atggcacaag aaacctttct 120  
attcacatct gaatctgtaa acgaggggtca cc 152

<210> 32282  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894311H1

<400> 32282

ggcagaaagc aagctcatcc tagagtttta aaaatggcag cagcctcctc catggctctc 60  
tcttcccat ccttggtg caaggccgtg aagctgggcc catcagcccc cgaagtcggg 120  
agggtcagca tgaggaagac cgtcaccaag caggcctcct ccggaagccc atggtacggc 180  
ccagaccgcy tcaagtactt gggcccattc tctggcgagc ccccgctcta cctcactggc 240  
gagttccca 249

<210> 32283  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894312H1

<400> 32283

agcgacaccg ttttgccgtg gaagggttaa agcggaaagg caagtcccga tgatattgtc 60  
cacgtccaca acaacgtcgt gacagaggtt cataatgata atgacgatga taacgagaac 120  
gcacattcaa ccgttaactc cgtttctgaa attgccacca gcgaaaccga cgctgttgaa 180  
ggacaacgac atgttcatgt taatcacgtt caatacgaag ttcgagtggc ccccaaaccg 240  
cagtttcgaa act 253

<210> 32284  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894313H1

<400> 32284

gcctgttcgg atcaaaactt ggatgtggag aaagaattaa tagagcagga aatgaattta 60  
tcttcttcat atgaggagaa aaatgataat caaaggcatt cagaaggtgt tattggagat 120  
gtgaaggaaa atagttcata cagtttctac caggctgctg atggtcagca tctaattctt 180  
catcctctga acatgaagtg tttgcttcac cattatggga gctatgatat gcttcctcac 240  
agaataagtg 250

<210> 32285  
<211> 176  
<212> DNA

<213> Glycine max

<223> Clone ID: 700894314H1

<400> 32285

cagggtcgccg gcgagtggcg cttaccggag cagccgtgtg gcggcggtga cggggctcgg 60

aagggtgggt gaggctgtgt cggaatgtga cgaggctgtg aggttggatc ctagttatgg 120

gaaggctcat cagcgtttgg cgtctcttaa tccttaggtt gggacaagtt gataat 176

<210> 32286

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 700894315H1

<400> 32286

ctacgcacag gaccaagagc tgggggtgat gcgtccactg ttggaattgg ctcaaatgg 60

aacagacaga ggcaaaagaa aggctggaca attgctagag cgtatgagca ggctagtga 120

gcaacagcag gaagttccaa cacaaactga etc 153

<210> 32287

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700894316H1

<400> 32287

gttttccatg caaattgcta tgagacaggg gaaactgtgg ctataaagaa agtgcttcaa 60

gacaagaggt acaagaaccg ggaattgcaa accatgcgtc ttctggatca cccaatgtt 120

gtaactttga agcattgctt cttttcaaca actgaaaaag acgagcttta tcttaatttg 180

gtacttgagt atgttcctga gactgtccac cgagttatca ggcattacaa c 231

<210> 32288

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700894317H1

<400> 32288

ctcgccgaag agatcaaccg ccgccagacc atcaccgtcc tggccctcga caatgccgcc 60  
 atgtcctccc tctcgcacaa gcacctctcc ctccccacca tcaaaaacgt cctctccctc 120  
 caggtcctcg tcgactactt cggcgccaaa aagctccacc agatcaacaa cagcaccacc 180  
 ctggtctgct ccatgttcca ggcca 205

<210> 32289

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894318H1

<400> 32289

gacaggagta gttacatatc aggttttttg agatgatgaa tggtcatttg ggttctgtga 60  
 gcaaggtagt ggggttttta gttgcccttc tggaaagaat ccaatgtata catatcgtga 120  
 atccattggt ttagggaaaa caaactgttc cattttcaag gtaaatcaaa tactaagaga 180  
 actcagtaga gagtggccag ggagttcata tgatctgctg tccaaaaact gcaatcactt 240

<210> 32290

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894319H1

<400> 32290

aaggaatcga gtttttgcac acagggattg tccctggtgt atattccaat gatctgaaga 60  
 tagaagatgt tttattggat cagaatcttg ttgcaaaaat cagcagttac cacctgcctt 120  
 tgttatctaa catgggaaag gttcgggtgtg gaaattcttc cagtggatta agaaattcta 180  
 gcaatagtaa aagtgtaaag catgaagata aggctgatat atacgacttt ggagtgat 238

<210> 32291

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700894320H1

<400> 32291

gtccttgcag cttctgtggt tgtaacctcc actgttgaga attcagccaa ccctggaaga 60  
 ctagtctttc acgttggttac tgacaagaga acttatactc caatgcatac ttgggttgcc 120  
 atcaactcta ttaactcagc agttgtacaa gttagagggt tacaccactg tgattggtct 180  
 aaagaagtga acgctggtgt taaagagatg caggaaacaa atcagttaat ttggaag 237

<210> 32292

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700894322H1

<400> 32292

gaaaccctct tcggcttgac acgagcctcg aagtggatcc ttcgcgacac gaaaatgacc 60  
 ctagcaccca tggtgctgct ggagaaccac ccaattcacc tgaaccctgc gcactacatc 120  
 agtgagatta ttagagaagg cacaaaaaat ggcactgctt tctttaagtg ccatggacat 180  
 gagcaatttg agatgacggg tttggatcct gagtataata ggttggtc 228

<210> 32293

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894323H1

<400> 32293

tgaaagcaca aagcaaaggt cgcagctgct gctgaatctg gtttaacgca acgcaacatt 60  
 ctccatcaaa tcaaatcaaa gttccagatt tggtggcaac cgataatagg gacaacaaat 120  
 cgctcctcc tctccacct tcttcttccc gttacgtgaa atcggaacaa caagcttcac 180  
 tatcagcatc gtcgtcgttc agccacgacg acataagcgg aatgccggag aatccaccga 240  
 a 241

<210> 32294

<211> 168

<212> DNA

<213> Glycine max

<223> Clone ID: 700894324H1

<400> 32294

aattcaaatc ccgctctctt catttcagat ctcataaaga acacgaaaca gtgtactaca 60  
 cgcgctctct ctttctcttg aactttcttc ttcttttctg ttttctcact ctcttgttct 120  
 tcattcaccc ccacacatta ttcttactgt ttccaacatt ttctccat 168

<210> 32295

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894325H1

<400> 32295

ttgcaattaa gtggcataga tcttgaagct gagaatcgcg tgcgccatga atagaggtga 60  
 aagttcaggt ggtggacaga gctcgttggg gtacctattt gggtcagaag agaagccaaa 120  
 tcagcctctg ccacaagga cagctccatt accaccctat ggcatgaca tcgataactc 180  
 catgccccat cacggttcta actgccaact tgttgtctca aacaaccgat ctcaaggcca 240  
 cca 243

<210> 32296

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894326H1

<400> 32296

aatcggtga ggtaaaaaa ggacattcat tcagctatgg ctacccttag tgctcccagc 60  
 aaccactctc cccaagaaga tgctgaagct ctcagaaagg cttttgaagg atggggaact 120  
 gatgagaaca ctgtcatagt aattttgggt catagaactg tgtatcagag gcagcaaadc 180  
 agaagagttt atgaggaaat ttaccaggag gatcttgtga agcgcctaga gtctga 236

<210> 32297

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894327H1

<400> 32297

agcgtcctca ctaccggtt ggatagtcga atccaaccgt gccgtccggt acattgattc 60  
 tgatcattac tctgttccac aaggcaggag agccattgag ttgctctcag gaaaggaagg 120  
 aatcatatct caaatggttg agaccaaacc agacaagctc tacagcttga ctttctcatt 180  
 gggtcattgct gatgacaagt gcaaggagcc tcttgctggt atggcctttg ctggtgacca 240  
 ggctcag 247

<210> 32298

<211> 59

<212> DNA

<213> Glycine max

<223> Clone ID: 700894328H1

<400> 32298

gatagaacag tatgtaataa gtaagttata ctaaattgtag taaatgcaag tcttggtgta 59

<210> 32299

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894329H1

<400> 32299

aaagcgtctc aaattcacat taaattttcc caaaactcaa actcaaactc aaactcaagt 60  
 aattctaatt ttccctcccc gaaaacgatg tcgctcgagg tggaggagga ggaggcggtc 120  
 gagcacacgc tcctggtggt gcgcgaggtg tcggtgtaca agatcccgcc gcgaacacct 180  
 ccggcggcta caagtgcggc gagggtgctc agtccgacaa gatctggtcg gggcggatcc 240  
 gcgtcgtgtc ccggcgc 257

<210> 32300

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700894331H1



<400> 32300  
 aagaggcgga agatgagtgg tagggtttct gggaaggtga agtggttcaa tgatcagaag 60  
 gggtttggat tcataagccc ttgcgatggc agcgacgatc tcttcgttca ccaatctcag 120  
 atcaaactcg acggtttccg aagcctcgcc gaaggagagt ccgttgagtt cgccattgaa 180  
 tctgaatctg acggacgcgc gaaggctggt gatgtcaatg ggcccc 226

<210> 32301  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894332H1

<400> 32301  
 ggactggcag gccaaactatt cagcaagaac aagtcagctg aagaaaccca aaatgcggag 60  
 gctgataaca ggaagaaaca acaaaacaag gaacataatt caaatagcaa tttaagccca 120  
 ctagcaagat ttcttctctc aagatggcag ggccaaacct cacgggatct aaacccatct 180  
 tgagcagagt ttgaagttac aagataccaa tttgtgtggt gtctctatct atgccttttt 240  
 ttttctctc aattaattgt aca 263

<210> 32302  
 <211> 163  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894333H1

<400> 32302  
 tctagcttca cttggacagt tggattcact ctccgattcc ctctctcgta gtcaatgcgg 60  
 tggccggcgc cgccgggtaa cgccgtgctg ggtatagccg ccatgtccta tatcaccgtc 120  
 gactacctcc gccaccttcc cccggcgtgg cactcgcgtc tgc 163

<210> 32303  
 <211> 119  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894334H1

<400> 32303  
 cttactttca aattagctag atatatagct tttcttttct tttgctttct gtttggtccc 60  
 tacttaatta tgattttaat tttggaataa atgaacaaca tgtgaattat gaaggagac 119

<210> 32304  
 <211> 171  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894335H1

<400> 32304  
 gtccttgcac catcaaataa aataggagtt cctgttgaag tatcaaagga aaactatgat 60  
 ttgacaactg atgaagtagg gataaaatct aagcaaagaa taaccacaga ctgtggggga 120  
 ataattgagt cagttgataa gcccacaaca tctgaagtag gtttagaatc a 171

<210> 32305  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894337H1

<400> 32305  
 ctcgagccgc ttcccttatg gctcgtcact ccttgcctt agccctcttc ctcttcgccc 60  
 ccgtggccac cgccgcgatg gcgtggcagc gtccgacgcc gacgacatcc tgatccgtca 120  
 ggtggtgcca gatgttggcg aagcgaagag gaggacaacc tgctgaacgc cgagcaccac 180  
 ttcgcgagct tcaaggccaa gttcgccaag acctacgcca ccaaggagga gc 232

<210> 32306  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894338H1

<400> 32306  
 aagaaagtct caacctttat tcgaaagagc aaggatctga gttgagttga gtgatcatgt 60  
 gtggtggtgc gattatctcc gacttcatac cggcaggtcc cgccagcggg gcgcggcgcg 120

0022ED-ETFE560

tgaccgccga catcctgtgg ccgagtttga ggaagcgctt ctcgaagccg ctgctggacg 180  
atgatttcga ggctgggttc agagaattca aggatgattc gg 222

<210> 32307  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894305H1

<400> 32307

cttacgtgaa ttagaccttg ctcctcctgc tgcaaagtct atgcttgagt taagtcgcac 60  
ccaagatgaa gaagtcggag atggaacgac atctgtcatc attcttgctg gtgagatgct 120  
tcatgtcgcc gatgcattca ttgacaaaat tcaccctaca gttatttgcc gagcatataa 180  
caaagctttg gaggatgcta ttgctgtcct tgacaaaatt gcaatgccta ttgatg 236

<210> 32308  
<211> 198  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894339H1

<400> 32308

acgtcgtctc cgcgttcggc tcgaggagat ggacttactg gagttatggg caattttcgg 60  
ccccggcgtc gatggagccg tcttcggcga tgtctgggtg gtctggcttg tcgccgtcgt 120  
ctgcagtacc gtcaccgtta ccttccttca ttaccttccc ggaattctcg catctcttgc 180  
ggctttgatg ttcaattg 198

<210> 32309  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894265H1

<400> 32309

taaggctcag ttttaaaaga gagtaatgat tttgctactg ttgggaagac tagagatagc 60  
tcagataggg cctttttacaa agatttggtt aaggtcattg aagcctctga tgtcttactg 120

gaggtgcttg atgcccgga tcccttgggt actcgttggt ttgatataga aaagatgggt 180  
 atgaaatcgg gacctgataa acgtctcgtc ttgcttttaa ataaaattga tcttggtcct 240  
 aaagaagctt t 251

<210> 32310  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894266H1

<400> 32310

cctgtccttc gttgcacttc gctttttcca aaaccaatca catcagcatc actctcgtcg 60  
 ccgccgtcgt cgaccaccgc aagagccatc gcaactccgcc gtcattccgtt agggcaaaaa 120  
 tgagtcgagg aagtggaggt ggatacgatc gtcacatcac tattttctcc cctgaaggac 180  
 gtctcttcca agtcgagtat gctttcaagg ctgttaaggc cgcaggaatc acctcaatt 239

<210> 32311  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894269H1

<400> 32311

agggatcaaa ggatcggaga gggtcctata aaagaaggtc ttttttttc tttctccttc 60  
 tccgatctaa actgatttta cgttatgcat aagttaattt tagtttccgg caatttttc 120  
 tttctcttca cttaagaata gttgtagtga aacttatcta aatgggggta tattatgtgg 180  
 atgttggtat cttatgactt cctcagtcaa caaaggttgt gtgtcaggac ttg 234

<210> 32312  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894270H1

<400> 32312

ctagtagcac ttgataaagc agagattctg cttcaagtgt caatcaccat cttttacca 60

cttgttatca tccacacatt acactgcata tctctattca aaattcaata acccaciaaac 120  
 taaaactaat ggctctgttt tcaaatacacc gacactcttc cgaagcgctc ttgggctttc 180  
 tactcttcct cgtattcaga ggggtttcag ttccaggggc aacatttacc ttcgtg 236

<210> 32313  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894271H1

<400> 32313

cttggccagt taatagaaac aaactttggg tagataagac tgctgcatgt ctcattctta 60  
 attattgtat ttggcaaata gttttgagtt gaggatctaa tcattaccag atttaataata 120  
 ttgacaaat ggggtctgaa ggtcctacga caccgacgac aacaattcat gtgacaggat 180  
 ttaagaaatt ccatggagtt tcagagaatc caacagaaac aattgccaat aat 233

<210> 32314  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894272H1

<400> 32314

gtccttatgg gtttttgctt gtgttggtgt tagttgtgga ggcccgcgat aagcaacgag 60  
 gagctcccca ggtcgtagag aggtggggcg accctgaatc atccaaatgt gtgatggctg 120  
 tttcaatgat tgaccgagag tctcaccctt tattagctgt agcgaggaaa aacaaccaga 180  
 ttgaagtttt gagccctgta aatggagata ttcaggctac aatcacggat gc 232

<210> 32315  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894274H1

<400> 32315

tgggtattcg cttttcgtcc tcccaggcgg cgccgtcgga atcgtcgccg gcgtcgagtt 60

tgggCGaatt gcccGagagt tgtgtcGctc agatcatgac ctacatggat cgcGccGaga 120  
 tttGcaagct cGcaaccctc aaacGcgctt ttGcgGgGcG ttctctcGcc gatttcGtct 180  
 gggagtccaa gctGccGccc aattacGagc tcctttctcG cGcatcttc Gccga 235

<210> 32316  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894275H1

<400> 32316

cGcaaagcca gagaagaata aaaagccttt ctccGggGc cagtccagtt cattGtagag 60  
 agcagacacc aacaccaaac cttaaaatta ttttGccct ctGcttctct ctctGtcttt 120  
 ctCagaagac aactcaaaaa aaccatggac gtggGtcaga tGcagagaca gtggatcGac 180  
 tacaccaaat ccctcttctt tgaggGcttc ctggatGgtc agtttctGca acttc 235

<210> 32317  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894276H1

<400> 32317

cttggccagt taatagaaac aaactttggg tagataagac tgctgaatgt ctcatctcta 60  
 attattgtat ttggaaaata gttttgagtt gaggatctaa tcattaccag atttaata 120  
 tttgacaaat ggggtctgaa ggtcctacga caccGacGac aacaattcat gtGacaggat 180  
 ttaagaaatt ccatggagtt tcagagaatc caacagaaac aattgccaat aatt 234

<210> 32318  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894278H1

<400> 32318

gtggccctaa gcaaagttgt ggcGattaca ccagggtttg ctaagaactc gttccaaccc 60

ttgtgatttc atttctgatt ttttaagattg tgatatgatg gaatcttatt tatgtcaatt 120  
 tgttttagttt aatttccata tgttattggt ttttttaaga ttaagtcagg taccagaaaa 180  
 tttgcatcaa ttcacactca tgagtcacct gaacaagagc tagaccgggt tttta 234

<210> 32319  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894280H1

<400> 32319

ttagggtttg cagtcactgc tttgtttaga tcagaaccag atcgtgttct cttcttccat 60  
 tggcaaacat ggcaactcaa atgagcaaga agagaaagtt tgtggcggtat ggagtgttct 120  
 tcgccgaact gaacgaggtt ctgacacgtg agttggcgga ggacggttac tccggcgtgg 180  
 aggttagggt tacgccgatg cgcaccgaga ttatcatcag agccaccaga acccaa 236

<210> 32320  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894282H1

<400> 32320

atcatatttc attttcagtc gagtgaatat ctagtttcaa attgtttgta gacacctgcc 60  
 gtattctatg aaaacacttt taatttagtt tattattttt gttcttattg tctctttccc 120  
 cctctcttga cagcaaggat cctgggtata tcaggatgaa tatgcatgac aatcaggata 180  
 caaaagatga cgagcctctc ttgaagattg agataaataa tcctgctttg ctagctg 237

<210> 32321  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894283H1

<400> 32321

ggacaagggt acgaggttgg caacagaaaa ggggtgtggtg gttttcacca agagctctta 60

ttgcctctgc tatgcagtca acattctgtt ccaagagctt ggagtgatcc ctgtggttca 120  
 tgaaattgac aaagaccctg agggcaagga aatagagaaa gctataacaa ggttgggggtg 180  
 tcctacacct gttcctgcag tcttcacgag aggggaagctg gtgggggtcca ccaa 234

<210> 32322  
 <211> 102  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894284H1

<400> 32322

agtttatttg gggctctgtg ctgcacatat ccaaccttaa gttcggccgt cgaatctttc 60  
 tggtagttag gtgagtttag ttctttcaaa aattcaaaca ca 102

<210> 32323  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894285H1

<400> 32323

aggaaacagt gatagtagaa gctgagaaac cttctgagga aactcatatc aatgaaccag 60  
 ctaaggaaat aatgatagta gagtcagaag ctgagaaccc ttcaaaggaa actcttgtca 120  
 atgaaccagc taaggaaaca gtgaaactag agtcagatgc tgagaagcct tcagaggaaa 180  
 acaatcaaag cagcgagtca ctgaaagaag aatttgtaga ggccatggag gca 233

<210> 32324  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894286H1

<400> 32324

tccatcacct aatcacttcc ccacttcccg tgtaagacac gtttagttcg cacaaggttt 60  
 taataaatgg ctgatgctga ggacattcaa cctcttggtg ttgataatgg aactggaatg 120  
 gtcaaggcgg gttttgcagg tgatgacgct cctagggccg tgttccccag tattattggg 180



0953413-032200

cgaccacgcc ataccggtgt aatgggtggg ataggtcaga aggatgctta cg 232

<210> 32325  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894287H1

<400> 32325

ggaacaagct tcagtgattg cagcattcaa cagtcaattg cctggcacac agtccattgc 60  
tctaacgttg tttgcagcga cgccaccggt tccagacaat gtgttaacca aggcgttcca 120  
gggtgggtacc aaggaggttg agaaaattaa gtctaggctt gctcctaaga aataattaat 180  
actaatgtgg gatgtggttg taatgtctct ctcatgttc ttacttttta 230

<210> 32326  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894288H1

<400> 32326

gtttaagatg tgaaaaacca cgaccatttg agcctctata tataggtgtc tcgtatgtc 60  
aaacatgaca agccagtgat agttgctttc agataactga tagttgtgtg caattatttg 120  
aattcaagaa tgtctcaacc cgactcgttg gtggctgaga ttgaggtgaa aacctctgct 180  
gatcactttt acgacacctt gaagggtgaa aaacagcatc gtattcatga tg 232

<210> 32327  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894291H1

<400> 32327

tatgcctcca ccagccaagt gaatttcact actactaata acccaataat gggaattagc 60  
acaggcaata acaataccct tctttctcag cctcaaattc gaacccaaaa ttcaacctca 120  
gtacccttca acatgttcca agattattat aattatatga accaaggaaa acaatgcaag 180

atggagcaat tctcaaacac taagaaccag cctgtggtca gtgcctctca ag 232

<210> 32328  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894292H1

<400> 32328

cttgcacgaa tggcattttc gttcagggct tgaccgctac atatggataa ttggaatgat 60  
 ttatgcttat tatcatccaa ctgttgaacg atggatggaa aaattggagg aagcagaaat 120  
 caagcgcaga atatcaatca aggcaactgt tgttctgata tgttcattgg tgggttattt 180  
 atggtttgag catatataca agctggacaa ggtcacatac aataaatacc a 231

<210> 32329  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894293H1

<400> 32329

acaaaaatca aaaccttact cgcgtattgt cataaacgac ggtcgaataa aaaaggaaaa 60  
 gaagcgaggc aagtgggtgtg ttgagttaaa cgacagacag cgacagtagt gtagcagaca 120  
 cgataaaaat aaaagggtaa ccaaccccag aaacctattc atctactctc tttagctgcc 180  
 cttgttcctc caaaattcta tgtgggtgtg cagatgggtga tgattactgc tt 232

<210> 32330  
 <211> 232  
 <212> DNA  
 <213> Glycine max.

<223> Clone ID: 700894294H1

<400> 32330

cctccctcct ctcggtgtct tcctcaagta tggatgcaag gtagagttct ggatctgttt 60  
 ggtgcttact ctttttggtt acattcctgg aattatctat gctgtctatg ctatcaccaa 120  
 gtgatcatat tcatcacctc ttgtagacaa tgaataattt gtcaaagtac aacgggtatg 180

catgtttctc aactccagca ttgatataat cgtttgatct cagaacaatg tg 232

<210> 32331  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894295H1

<400> 32331

gagagaagag aagatgacta cacgcttcaa gaagaacagg aagaagagag gccacgtgag 60  
tgccggccat ggccgcatcg ggaagcaccg gaagcacccct ggaggacgcg gtaatgccgg 120  
aggctgcacc accacccggat cctctttgac aagtaccacc ctgggttctt cggcaaggtc 180  
ggaatgcgct attttcacia gctccgcaac aaattctact ctccgatcct caa 233

<210> 32332  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894296H1

<400> 32332

tacgactccg atgttcgcga tgatactgaa accttcctca atcggatagt tcctgaggtt 60  
tctttctttc tatcaccaat ttgatgcatt catctgctcc atggaagcat actctagagg 120  
ggccagatga catgccagct catattaaat catcgatggt tggttggtaca ctgcggtg 180  
ccattacaaa tgggaagctt aacatgggca catagcagat gcacacaagc aca 233

<210> 32333  
<211> 161  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894301H1

<400> 32333

gtttgtgagt gtgctataaa tccttcgtgg tttttggtga ccctttgggt tctatagtga 60  
gtgcaaggta acccactttg gattggaagg ttgtcgcaat ggggaagggt gtgttggtgt 120  
ttctttgcat ggtgttggtg gtggtgtctt tggcttggtc g 161

<210> 32334  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894302H1

<400> 32334

gagtgattcg tcctaataatt caagtatggt tcaactcgcat gaagggtcca ctttatgtgc 60  
 cactttttcaa gccatttgggt attgcatttg ccactacttt tgcagtttgc ttctttttcaa 120  
 acagccttca ttatggaagt gtgataggaa caactgtact tggaatgggg cattatacag 180  
 taatgtatgg acaactcaga gaaaatgaag aagagacaag ctgtgacgan agctctga 238

<210> 32335  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894264H1

<400> 32335

gttagcttta aagtctcgtc tgacgctgaa ggtcattttt gtggaagtga gggtaagaat 60  
 gtttctgggg ttaatacagc ctgtgacggg cctcatggct tgttaaattc agaatcttct 120  
 actgtagata atggaaaagc tcctagtatg gtttctagca ccccaaaagt tccaaaatcc 180  
 ccttgatgac cttttcctgt gcttcttgat gctatcagag atcaggttcc tcccacgg 238

<210> 32336  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894304H1

<400> 32336

ctcacttttt tcagcttctc taaattctct gtctacttca ccaagcactt ttggttgcag 60  
 ctttggttaa tttccaatat ggtgtttcct ctctatcta tctttgcttt actcaatctt 120  
 gcagtgggtg caacccatgc agaaaccttg cccctgaag ttactggaa gtcgaagctt 180  
 cccaccactc aaatgcggaa agccattacg gatatccttc acccagattt ggcag 235

<210> 32337  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894234H1

<400> 32337

caagaaatta cgtccagagg tagaaattaa gggagtttcg tgccagagta agaaggagaa 60  
 ttcggaagt gatggaactg tggttgatca aggaaaaggt ggtagcccag ttgcatcgtc 120  
 tcatgcaaca acaaccacaa ccactagcag tgcacaaact cataggaaag ctagaaggtg 180  
 ttggtcacca gacctgcacc gaagatttgt taatgccctt caaatgcttg gtggatcaca 240  
 agtg 244

<210> 32338  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894235H1

<400> 32338

gggcaatacc cagctgctct tccaccttac ccttccccac cccacatgta tggcagcaga 60  
 agtcccccca caaatcctta tgctgcttat tcacctgagc cggcaccggc tattgcaggg 120  
 tcttaccggg cagctcccat gaactatcct cctgcatatg gtggctatgg aaatgttttg 180  
 gctcccactt atcagcaggc ttactaccga tagaaatgac aacccttgaa gatggtaac 239

<210> 32339  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894236H1

<400> 32339

gcttagtagt gacaggactg cttttagaga tgttgctgat aaccagtcta cactaagatc 60  
 cagcgtcaag tcagatgggtg cttcctcatc ataagctcgt aggatacgaa gtcgtatcag 120  
 cattacacca gagatgagtg atgatattgc tagggctgtc cgggcatga atgaaccatt 180

aaagcaaaat cgtacttctg agagagctgg ggggtgatag ttcattgtct cattctcca 239

<210> 32340  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894237H1

<400> 32340

cgaacacact ctcacatatt attagctttt agctctctct ctctctctct cagtccttct 60  
tcttcgcccc gccaacatga gctcaatcgt tcagggtttc accaagtcgc tggccatgac 120  
cattctctct gagatcggcg aaaaaacttt ttttgagct gcgatactgg ctatgcgaca 180  
cccaagacgc ctagtcttat cagggttgctt atcggttttg attgtgatga ccattctctc 240

<210> 32341  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894238H1

<400> 32341

ttctttcttct accttttcct cagcgcacac cgtgtcacta ttcttgtttc tgtctacgtg 60  
tggtgtccca ctacacaata gaccaacaaa caatcgacac acacacaaac ataactctct 120  
ttatttctct ctctcttttg ctgaggtaat tactgaaatc cgtgcctgct gcgttcaccc 180  
ttttgtgcca aagtttgcaa ttttttttcg attatatgtt gcctctgctc tgcttgccac 240

<210> 32342  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894239H1

<400> 32342

ggaaaaagga aaccataatg aaagaggaag atgctaggaa acaagcgaca aatgggtgttg 60  
gttctgaagt agaatacaca ccaattccca gtggacctgg cagtgacatt gcaaaggaca 120  
ccagaaacga ggaggtgtct atgcttgaca atgtgtactg gaaggagttt ggacttcttg 180



tttttcatgg tgggttttgc cccactcaca tctcgtgggt cccaacagta cagagctctt 240

<210> 32346  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894243H1

<400> 32346

gcgtcttctt gttcctctcg cccagaatcc gagatcaacc ctgacccta aggccagggg 60

tttttctcgg cttcttcaga gtctgaaat ggcgtctgtt tcagcttttag ccaagtacaa 120

gctcgtcttc ttgggtgacc aatccgtggg caaaaccagc atcatcactc gcttcatgta 180

cgataaattc gataaacct atcaggctac aattgggtatt gattttctat caaaaacta 239

<210> 32347  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894244H1

<400> 32347

ctttgatttc aaacagagag taacaatgac tcagttgaaa gcatctcttg cgtctgcgtg 60

ttcgttcctt gccattgctc cttcctttca tcatgcatca ctaacaacag ggcaccttct 120

gcgccatcaa ttctccaagg caaagccttt ctactcaaa gagctggggc taaaaacaag 180

cgttggtgcc aataaacttc aagttattaa agcagctgca cgcattgata cagaggtagt 240

<210> 32348  
 <211> 125  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894245H1

<400> 32348

aaagtttggt gggttatttc attaaacttt ttattcatat aacaccaaaa gtattcattt 60

ataagcagag attgatgaat acttttggtg ttatatgaat aaaaagtttg ttgggttatt 120

tcatt 125



<210> 32349  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894247H1

<400> 32349

gatttttcggtt tccttcacga tcgtgtctct gattactttg ctgagtgtct gaggaaggat 60  
 cacgagtttt tgaaatctgg gctggtgaca aaagtcagtc ttgcggcgaa atggtgtccc 120  
 tctgtcgatt cctctttcga tcgtcacacg ttgttgtgtg aaactattgg caagaggggtt 180  
 tttcctcgtg atgagtataa ggagtatgag ggggttgagg aggcttatta tgcttaca 238

<210> 32350  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894249H1

<400> 32350

gtttaatcag agtgtggctt tgctgaggt gaaggaagac caggtcctca tcaaggtcgc 60  
 tgctgcttcc cttaacccca ttgatcataa gagaatggaa ggctatttca agaacagcga 120  
 ctccccctta cctactgctc cgggttatga tgttgctgga gtggtgggta aagtgggaag 180  
 tgaagtgaag aaatttaagg ttggggatga agtttatggt gatatcaatg tgaaagcttt 240  
 gga 243

<210> 32351  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894250H1

<400> 32351

catgcctgca ggtttagcct atcaactctg tttttttccc acagtaagtg atccttacag 60  
 ttactttttg tttggtagaa ggacaagata agctgggtta ttattatttt tttttcattg 120  
 cttctgcagg agagaatacc atgagttctc ttgggtcggtt ggtgatgctc atatgggttat 180

ttgtggtttt gatcctcact tccagctaca ctgcaagttt aacatccata ctcacagtgc 240  
ag 242

<210> 32352  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894251H1

<400> 32352

caatcaaatt gttttatacc tccaacatgc ccatcattct tcagtctgcc cttgtttcca 60  
atctctactt catctcccag ctgctccacc gtaagtacag cggaaacttc ttcgtagatc 120  
tattgggaaa atggaaggaa tctgaatatg gaggtggtca gtctgttcct gttggtggca 180  
ttgcatacta tatcactgca ccatccagct tagctgatat ggcagccaat cctttccat 239

<210> 32353  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894252H1

<400> 32353

ggtgtatgct caatgtatgt aatgtgtcac agaggttctg cagtctatctt ccaaggttgc 60  
aaaatctgca aagctggaga aaactgaaat tcctgcaaag attaaagttgc tgccggatcc 120  
atggactcct gaatctggat tggctactgc agctctcaag ataaagagag agcagctgaa 180  
agccaaattc aaagacgatc ttcagaagtt gtatgcatga aatgtagtat ctaacctc 238

<210> 32354  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894254H1

<400> 32354

gtgtttggac aaggagaagt gtgagacttt tgaagattgt attacatggg ctaggctaaa 60  
gtttgaagat tattttgcta accgagtaaa gcaattaatt tataacttttc ccgaagatgc 120

tgcaactagt actggagctc ctttctggtc tgcaccaaaa cggttccctc atccactgca 180

attctcatcc tctgatctgg gtcattctct gtttttgatg gcagcttcta tattacg 237

<210> 32355  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894255H1

<400> 32355

gcgttaccca ttgtagcgtt atcgcttctc ttgggtgccca tcatcgcatc tctctttttc 60

agcacctact accggaagcg gcaatccgaa atccaatcta tcgccgatcc caatcccaaa 120

cccttatcct ccaaagcccc tccaagaag cctctctcca aaccccatc ctccgacaag 180

gatcaaaaca agcgacatca tccgttggtt ttgaatacct tgaaggggtca tgggtg 235

<210> 32356  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894256H1

<400> 32356

ggtttcaggt ggcacaacct ctgtgggtca aagccaaaca ataaaaaagg atgtggaaga 60

tgcttctcct tccaaacctg atgtgaacac tgatgggtgag aagggaaatt tacagaagga 120

tgatacattt tccattacca tttcttccaa cgacggggct gatcccatgc aagggttat 180

gactgatgat gcattaaagg accctgactt tcttcacact attgtatctc ttgatga 237

<210> 32357  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894257H1

<400> 32357

aagaagtttt tgggcatggt ttttccacta aattgagtag tgctgggtctt gtttataagc 60

attttggaag ggagattata gccaaagaac ttgaggtaga tgaggaacac cgagatgtgc 120

atcacatata tttggctggt tacaagagct tcatggaggc aattgatgct atagacaatg 180  
 ggatcaatca gtatgataca gaccagcctc caagatacgt gaataatact catttat 237

<210> 32358  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894258H1

<400> 32358

gttgagagaa ggaaaggga aatgggtaag gatctgagcg aggaacaagt gtcttccatg 60  
 aaggaagcct tctctctatt cgacactgac ggagacggtc ggatcgctcc gtcggagctg 120  
 gggatcctga tgaggtctct gggaggtaac ccgacgcagg cccaactcaa agccatcgtg 180  
 gctgaagaga acctcacggc ccccttcgac ttccccgat tctcgatct aatggcc 237

<210> 32359  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894259H1

<400> 32359

cctcaatcag ccaaaccggt tcaggaaaac aatgatcagt ttgctgcaac aaatgcccat 60  
 gcaattgctc ctgctgctaa ggcacaagtt gtgggatggc caccaattcg atctttccga 120  
 aagaacacga tggcctctaa tttgacaaag aacaatgatg aagctgaggg aaaatcagga 180  
 tttggttgct tctatgtgaa agtcagtatg gatggtgccc cttatcttag aaagggtt 237

<210> 32360  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894260H1

<400> 32360

ggaacattat ggagcccaga ttcgtaatct ccgcatcgga ggccgaatcc caatcaatct 60  
 ccaaactcct cccttcctc gtttcctctt ctcaagtcct cgcccgctct tccatctcca 120

actttcccggt cgccgcgcgtc ggactcgccg cctccggccg catcttcgtg ggcgtgaacg 180

tggagttccc cggcctcccc ttccaccaca ccatccacgc tgaacagttc ctctcac 238

<210> 32361

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894262H1

<400> 32361

actcggttct gccttcacaa aaaaattatc gagatccct ttttctcta agagaagcca 60

tggctaaggg tcccgggtctc tactctgaca tcggcaagaa agccagggat ctgctgttca 120

aggactacca cagtgaccag aagttcacca tcaccaccta ctacccact ggagttgcta 180

taacagcatc aggaaccagg aaaagtgaac tgtttgtggc tgatgtcaac acccagtt 238

<210> 32362

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894263H1

<400> 32362

tctcattaca tacacaaaac ccattttact cttctttca caaaagaaca atatctcttg 60

ctatttgcca aactacgaac atcatttaga accatgtctt tctctaccaa attgccttg 120

gtccttttat tttcatccct ttttatccat gcattcttag ctgagatggg gtgtgaggac 180

ctgccaaagg aagtgtgtgc tttctcatta gttcatcag ggaagagggtg tttgttgg 238

<210> 32363

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700894233H1

<400> 32363

ctcgagccga ttcggctcga gatttgatcc aaattgtaga agaatacgca atttaccat 60

gatcagaaat tgtatgaact tgcaacaag tttgaggagt gtactgccca tgaagaaaaa 120

caactactgg agaaagtagc agaaatgctt gctagctcta gttctagaaa gaaaaaactg 180  
gttcaaatgg cagttaatga tcttcggggag agtgcaaacg ctaaaatcag taggctg 237

<210> 32364  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894205H1

<400> 32364

tttaaaactc taataaaaaa attaatacata tctatatattt tctataggtg tcgattaaca 60  
caaggtgtca tttaatcatt tttcatttgt ttttatctat atactacaga aacaaaggta 120  
acaatttatc tcccatgaat taaccttggt tgtctaaca aaaggctagg tgaaaccaag 180  
tctctatgtg atatgatgct gctatgaaga gcagattagc aaattgcaac gccataaca 240  
atatta 246

<210> 32365  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894206H1

<400> 32365

attaactgga aaggatggtg ctgccccagt tctctccgtt ctcacggctt ctcctttctt 60  
cccttgatgat tctcttaata agctatccag ttaaatgtga cgatgatgag gaagacaatc 120  
tttatcaggg tatcaacaag tatcgagcat cgttaaactt gaaagctcta acaaggaatg 180  
acaatgcaga ttgccttgct gaaaaaatag ctgaccaatt caagaaacaa ccctgcacaa 240  
ata 243

<210> 32366  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894207H1

<400> 32366

gggcaagccc atccaagccg cctaattgcac gccaccacaa tagatcgatc tttgcaatac 60  
 cacgtccagg agttcgagag gaccctgcag gagaaatttc cagcatgctc catagccgca 120  
 aagagacgga tttcttcaac aacaacaata ttgcatgtac agggcttggg aatgaaaaat 180  
 ttctcacgta ctgctgcaaa tctcttgtct gctgtgacaa aaatagatag cagttactat 240  
 cctga 245

<210> 32367  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894208H1

<400> 32367

gtggaatttg tggggttgca gcaaattgcac ctgtcaaggc tttggcggat atgaaatcca 60  
 taaatctttt tgggtttcag caaatttgct gaaatgctat tgcattagaa caggcattgg 120  
 cagctattcc atccataaat agtgaagcag tgcaacagag attggatcga gtccgcacct 180  
 actatgaact attgaacatg ccatttgagg ctttggttgc cttcattaca gaacatatac 240  
 act 243

<210> 32368  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894209H1

<400> 32368

gcaaaatata ttataaacia taaagaagga aaatttttct ggtgttgaaa aagagaacag 60  
 aggaaaagtg agaaagagca acgtcagagt ttgccgtagg gttctcctta gttcgtgggtt 120  
 tctggtacag atagaaggga atccttcttc tctctctctc tctctcttct tctctctttt 180  
 tctgagtttg aacttggagt aactgggtct atatttttgt tcatattaga gtggccatca 240  
 cgga 245

<210> 32369  
 <211> 246

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894210H1  
 <400> 32369  
 atttcaaccc aaggagcttg ggaacaaact cctgctcctt cttctccttg gtcataaggca 60  
 atgggaggtg cactgggaaa gagtgaatca cctagaaagg gatcgatgcc agaaactaag 120  
 ctcgaggcta aaatggttga agcaatgcag cggagggaat ctcaaggaag ttccgtgaaa 180  
 tcattcaaca ctataatctt gaaattccca aagattgatg agagccttag aaaatgcaaa 240  
 gtcata 246

<210> 32370  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894211H1  
 <400> 32370  
 aaaatggatg ctactacacc caagtattcc aaggccaggt atgatgaaat tgtgaaggaa 60  
 gtctcttcct acttgaagaa agtaggatac aaccctgaca agattccttt tgttcctatt 120  
 tctggttttg agggagacaa catgattgag aggtccacaa accttgactg gcacaagggt 180  
 ccaactctgc ttgatgcact tgaccagatt agtgagccca agaggccctc tgacaagccc 240  
 ctca 244

<210> 32371  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894212H1  
 <400> 32371  
 gagaagaggt gtgggaaagg aggaggaaga agagcgagat ggcgtcagtg gtgaagaacg 60  
 tactcaaatc ggtcagagaa aagggtttcg gcgctttcct caggagctc aaggatgaag 120  
 gctacctgag atgccttccg gatggaaatc tcttgcaaac caagatccac aatattgggg 180  
 caacacttgt tggtgttgat aaatttggtg acaagtatta tgagaagctt ggagacacac 240



agt

243

<210> 32372  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894213H1

<400> 32372

aaggagttgt ggagcttggt tcggattttg ttgtttgcga cgaaggaaag cctttgtcac 60  
 cagaggctgc tcgtatactg cgtttaatgg gaatcaagat ggctacattt cgacttaact 120  
 taatttgcag atggagtccc gatgagtttg aacgttacat tgatgggcct gatgaatcag 180  
 atattgaatg ctctaggac ctcttttaaa atgtagaaga ttatggagcg ccctcctccc 240  
 aaaaaa 245

<210> 32373  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894214H1

<400> 32373

ggaaattagt aatttgatgg cattttgttt cttaatgaaa gtatggaata cttgacatgt 60  
 ttcaacgtgt ctattgctag ggataacaag gataccaaat agagaacatg tgtgttccac 120  
 ggtgcacttt tcctcgtatt ttttggtgga aaatatatga aatgtgctca agcgtttgcg 180  
 cagtatgagt acaaaattat ttgaattcag ataatgacta gtcagaaatt cagcag 236

<210> 32374  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894215H1

<400> 32374

cttatttccc cattttcaaa tatttttttc ccattttgga tatctgagct atggttacat 60  
 cgattctata taagattttc ttactcagtt atgtattccc tcttcagcta ttagatactt 120

gatattgaaa tctgatagat gatttcaagc ataaatatag ccatgtcatg tcttatatat 180  
 aatttctaaa aattttcata tcttgatata tgttaccaac tataaatgat taaagaaata 240  
 gtgtag 246

<210> 32375  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894216H1

<400> 32375

cgacgctggt gaagtacaag cacgggaaga agtactgcga caaaggatgg gaatgtaagg 60  
 gctggtcaat ttactgttgt aacctcacca ttaccgatta tttccagacc taccagtctg 120  
 agaatctgtt ctccaagcgg aactcgccgg tggcgcacgc ggtcggattt tgggactacc 180  
 actccttcat cgccgcccgc gcgctttttg agccggaagg gttcggcacc accgggaaca 240  
 agacga 246

<210> 32376  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894217H1

<400> 32376

gttcgtcagc gcagttcatg tataataacg atgccttaat tacaaaaagt gtttggcttt 60  
 caaggtgcaa aatagtctat tatacagtat tcagctgctt gtatggattt gtaggatctt 120  
 gtgcacacct agctatggtc aattcatctt ggactaaatc ccatattgaa aatctttgga 180  
 gatttctga ccgtattaag cgagtttatt ctccttgtga tacttcagga ctcca 235

<210> 32377  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894218H1

<400> 32377

ccacagtcag ggttcaagac ccgtaagtac actgaggtga agccagccct cacaaacatg 60  
 gttgccgcag caaaactcat cgcgaacgaa cttgccaaagt gaatgggtata agaaagtaga 120  
 atcttccaag tcatttggtt ctgctttata ttataatata ccaaagaaaa attttctcta 180  
 tattgggggtg tttccataac tgtgtgtgga atatttaggt gtcttagcat gctctgtgag 240  
 caattgat 248

<210> 32378  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894219H1

<400> 32378

atcatcttgc tttcttgga tgcaatatgc tactctttcc ctttctact gtttttgctt 60  
 ttgtgttggt gtgtgccact aatgagcacc ctcttggat acaacatgag catgggggtcc 120  
 tctgctagag gggcatctga agatcaaadc tcacaactcc caagttggag atataaaggg 180  
 gttcacacca acttggacct tggcaatgac tctcaaagca gtgaaagatt gatcaatgaa 240  
 gatc 244

<210> 32379  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894221H1

<400> 32379

gttcaatttc tcaaaacagc gtggatactc gcaaacaacc aatattcagg ccatctttac 60  
 aaatttgacc ataaatgtat atacagattt tgtttttcag gcagcagtc caaagggtatg 120  
 ctacttagta tgctgttgag tgacagcttt ctaattgtac ttctaagatc atcataattc 180  
 ggggtgttaaa catataagtt ttgcctactg ctttcaacag tatcatgatc ttaattatta 240  
 ttg 243

<210> 32380  
 <211> 242

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700894222H1

<400> 32380

cgcacgacgt atctgccacc aggagcaatc taggactttt gctatttgta gtttgaaata 60  
 caaccagct agtgggtgaag actcagaaat gcacttcgtc cgcttgctgg atgaccagac 120  
 ttttgagttc atatcaactt attctcttga cacttatgag tatggttgct tcataattag 180  
 ctgctccttc tcagatgaca ataatgtgta ttactgtgtt ggaactgcat atgtactgcc 240  
 ag 242

<210> 32381  
 <211> 89  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894223H1

<400> 32381

gaattagggg tttccaattc acagagcaac acaacgaacc aacaatggcg cagctcagcc 60  
 gccgtcggcg ccgcagcacg ggcaagcag 89

<210> 32382  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894224H1

<400> 32382

cttttctcag agattattat tattattatt attcagatat catttcctct ttcttcttct 60  
 tctttttttt cttcttttcc ccccatgca gcctcctcga agaaaaactc ctctattcac 120  
 cacctcagaa atggggggcaa tgaaggggtcg caagaacaac aacctctcca tcttcgtggg 180  
 ggtgttctcc atcttcctct ttgggctctt catgtacaac gaggatgta agtccattgc 240  
 cga 243

<210> 32383  
 <211> 242

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700894225H1

<400> 32383

cagtctatga atggcaaagc caagatcttg gactcagata tggctcttcta ttgtcggagt 60  
 gtgtgttctg aattttgttc tgaacttcaa gatcgtggca gtagcagatg aacttggaag 120  
 caacagtatt gtatcagaag gtgactgcaa gaacacaaat tatcagattt tcctccctcc 180  
 accttatcag aatatatcct ctaccatag caaacctgtt tcgcattcat acgaattgag 240  
 gt 242

<210> 32384  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894226H1

<400> 32384

tttggcttct gcctttcctt ttccaggag ctcatgaca atggctgaaa caaagtgggt 60  
 catgaaggac aaaagatggg ctctccatgg aatgacagct ctagtcacag gaggcacccg 120  
 aggcataggg catgccattg ttgaagagtt agctgagttt ggagcaactg ttcatatctg 180  
 tgcacgtaat caagatgata ttgataaatg tttagaagag tggaaaaaca agggacttaa 240  
 tg 242

<210> 32385  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894227H1

<400> 32385

ggccatttca ggcaccgtga ccgcagccgg agtccaagac gtagtcctag tccagaagac 60  
 aggcgctctc ccattagtg ccaattaaaa tcccgaactg gtccaagaag tgatgaacga 120  
 ttgccagaca gggggagggtc aaagtccaaa tctaggagca atggctcttc ttgctccaga 180  
 tccccagatg ctacaccacc aaaacgttat gataaaagga cttccgtgtc tcgcagcagg 240

tc

242

<210> 32386  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894228H1

<400> 32386

gttaactgca ggttcattgt tggaattgaa gggaattctc attcggaact tgggggttttt 60  
 cttagacatg gcaacatttt ttatggcact tggccattac ttgtatatat ggtggcttca 120  
 tggcatggct ttccatctag tagatgcatt catatttcta aatatacgtg cattgcttag 180  
 tgcaataata aatcgcataa aaggctttat caggctaagg atagctctag gaacacttca 240

<210> 32387  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894229H1

<400> 32387

attctgtgaa catagatgcg gagcgaggga aggtgatggt gtcagggcat gtagatccag 60  
 ctaaactgct aaaaacgcta aagaggtcag ggaagcatgc cgaactttgg ggtggccaga 120  
 gaggcattgat gtacaaccaa aactacccca cctaccctca gttcaagaac atgcacatag 180  
 ataacaccaa agggggcagc aaggacaaca agtctcagaa tcacaaaggt ggtgctcaga 240

aa

242

<210> 32388  
 <211> 78  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894231H1

<400> 32388

gttagaatga agctcctgca caaacaaggg aacaagctc aacaagacaa aaacaacaac 60  
 tgcttccaca catcatat 78

<210> 32389  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894204H1

<400> 32389

gtgctctctc ttcattcctt ccagttctgc catatctccc tgtttcagca gatggatcag 60  
 atggcctaaa ctatgatggg agagatggta aaagacatgg acgtggacat tcatattcaa 120  
 gtgggtatgg aggctcaagt gatttagcag ctggtgacat ttatggaagc tatggtgggtt 180  
 ctcagcttgg aagcaacagt gcttatgggg cttatggaag ttattctttg ggacggtcta 240  
 gtact 245

<210> 32390  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894232H1

<400> 32390

ttaagatcaa aagaagttgc acattgtagt cagtcttcaa ttgttcaa ataat gaatggattg 60  
 gagactcacc cttgaagatt gatgttattg tgtaggatga ctgactctga gtacaattgt 120  
 tattggtgat gaattgcatt tatattttcc tcttaaaaat aagtgcattt ttgttggttt 180  
 ttccaattcc ttttttgcca agtgcttctt ggtatggcca tatttaagtg cttttttttt 240  
 tgta 244

<210> 32391  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894169H1

<400> 32391

tttacttctc aggaggtata actactattt ttcgcttttt ttttaaaaaa aaaattgatt 60  
 aaatcttttg ccatgggaac ccagattttg cgacctcagg actgcttggg agaacgaatc 120

agggtcctc cggtgaatt ttcccgccg aggagttccg gtaattactg taattattat 180  
 tactacaaca acaacaacaa ccatgtcgcc acttccaggt cgtgccggaa gcctgttagc 240  
 cgacccg 247

<210> 32392  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894170H1

<400> 32392

gtgatttggg gtttggagcg actgaactaa tcattaattt gcaactcgctg tttcagcttc 60  
 atcacccttc ttttgcataca tttatatctc ttgagaaatg gcacaagaaa cttttctatt 120  
 cacatctgaa tctgtaaacg agggtcaccc cgacaagctg tgcgaccaga tctctgatgc 180  
 agtacttgat gcgtgccttg aacaggaccc tgacagcaag gttgcctgtg agacatgca 239

<210> 32393  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894172H1

<400> 32393

tatatgcgga tgatctgatt gaagtcttga agaaaaaaca tgcttctgga acgtataaaa 60  
 acctagtatt ttatctggag gcatgtgaat ctgggagtat ctttgaaggt cttcttcccg 120  
 aagatatcaa tatttatgca accacagctt ccaatgcaga agaaagtagt tggggaacat 180  
 attgccttgg ggagtatcct agtctctccc cagaatattc aacctgcttg ggtgatctgt 240  
 acagtgt 247

<210> 32394  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894173H1

<400> 32394



gcaggtggtg ggttgccac ctgtgcggtc cttccggaag aacatggttg ctgtgcaaaa 60  
gagcgttgga gaagagagcg agaagaacag cagccctaata gcaagctttg tcaaagttag 120  
catggatgga gcaccttacc ttcgcaaagt ggacttgaag atgtacaaga gttaccgaga 180  
gctctctgat tctttaggca aaatgttcag ctgcctcacc tttggcaatt gtgaatccca 240  
agga 244

<210> 32395  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894174H1

<400> 32395

cttagttatc taattacctc aattaatccc ttaattgcaa gcatcatggc tgaggagaaa 60  
caccaccacc acttccacca ccacaagggc gatgatgtgc ctggcgaggt tgattataag 120  
aaggaggaga agcaccacaa gcatcttgag caccttgggg aacttggtgc tgcggctgcc 180  
ggtgcttatg ccttgcatga gaagcatgag gccaaagaa acccagagca tgctcacagg 240  
cacao 245

<210> 32396  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894175H1

<400> 32396

cttccagtga cgtggtcata tgggaagaaa tatggactta ctctggaaca attgtcttta 60  
ttgtggagca agaaacctgc aacctggcg gggttagaat caaaggggac cattgcagtt 120  
ggaaaccatg cagatattgt agtttggcaa ccagagctgg agtttgacct ggatgatgat 180  
tatcctgttt tcatcaaaca ttctgagctc tctgcttaca tgggaagaag gttatccgga 240

<210> 32397  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894176H1

<400> 32397

ggaaaagcca aaactgaagc tcgaggaaga taactacgat gaaacaagag gaatggatga 60  
 ttacgacagc gttgctatcg ttgctgtttg tttcatcttt tccgccgttg agttacggag 120  
 ttgttctctc tcgtactctg ctcaataagc tgtcggaggg caaatatctc aacactcagg 180  
 agctctgggt cgaccaaacc ctcgatcact tctctcccta tgatcaccga caattccggc 240  
 a 241

<210> 32398

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894177H1

<400> 32398

tagtggttctt ccacccccgt accgtctctg cctctctgca atccacagcc gaaaatgcct 60  
 ttcaagaggt acgttgagat cgggaggggt gctcaaatca actacggcaa ggaatatggc 120  
 aggctcgtcg tcatcgtcga cgtcattgac cagaacagag cacttgtcga tgcccctgat 180  
 atggtgaggt cccaagtcaa tttcaaaagg ctttccctta ccgacatcaa gattgacatc 240  
 aa 242

<210> 32399

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894179H1

<400> 32399

gcgaatccct ctctctatct ctcacacaca ctttctctct ctctctctct caccagatc 60  
 ttgtagcaat ggcgagcgct cccactccac gcgaagagtt cgtgtacatg gcgaagctgg 120  
 cgagagcaggc cgagcgctac gaggagatgg tggagttcat ggagaaggtc tccgcctccg 180  
 ccgagagcga ggagctgacc gtggaggagc gtaacctcct ctccgtcgcc tacaagaacg 240  
 tgat 244

<210> 32400  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894180H1

<400> 32400

caaattcagc aaatccgtag tgctttaaga ataattgctg aattgtgtca ccgtttaagt 60  
 cacatagtat tgtgctgtgc ttgagcctta aggtcctgtg ttgtatgtat ttgcttttat 120  
 ctgcctttat gacgcgttca tgtgaaagta cgatgtaata actgctcacc tgagtactgt 180  
 tgttggtggt ttgggggatg atgtatcata atgcttgact tgactctgag aaataataaa 240  
 t 241

<210> 32401  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894182H1

<400> 32401

ctttaactcc agaagaacaa gttcaacttg caatagagtg cttacctaca tcttcagaaa 60  
 aagcacataa tggaacaaac tcttcgttct ctcggttgac cataatggat tattccagag 120  
 cctacagctc gggagaaata acaccactca tggttgctga acgatttatt gccgctgtta 180  
 atgaatcttc aaaacctcca ctccgaatgg gattttttat tcactacagt gctgatgata 240  
 tacta 245

<210> 32402  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894183H1

<400> 32402

tttgcattgag cattttgggt taactaatca tctcaactgt ggtacgaggg tggatacttg 60  
 gcttaacaaa acatcacaaac tgtgtcactt agcttaaggt ttatggcatt aggcattttt 120

tttctttcat aatttaattt tcttggtata cgatgttacg ttcaaaagtc aagcgaagag 180  
 tgacttattt ttcaatagtt gtcttgtttt ctctgaattt gaagttacaa cctccctatt 240  
 ggtcaa 246

<210> 32403  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894184H1  
 <400> 32403

gtgataagct gtaatagtct ttccaagatg ccaaacatta cgttcacaat tggaaataaa 60  
 ccttttgtcc tcacaccaga gcagtatatt ctaagaactg gagaaggcat tacagaagtc 120  
 tgccttagtg gggtttattgc ttttgatgtt cctcctccaa aggggtccatt gtggattctt 180  
 ggcgatgttt tcatgagggc atatcacacc gtctttgact atggaaatct ccaagttggc 240  
 tttgccg 247

<210> 32404  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894185H1  
 <400> 32404

ctttggcaga accaatggat gttgatgatg cggacaatcg aagtagctgg agaagtccac 60  
 gtgaacagct tcaacattgg cagatgaaca ggaggaagtt ggcattttca acagtgggga 120  
 caccagacta cattgtcctt gaagtacttt tgaaaaaagg atatgggatg gaatgtgatt 180  
 ggtggtcact gggagcaata atgtatgaaa tgctggttgg ttaccaccca ttttactccg 240  
 atgatc 246

<210> 32405  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894186H1

<400> 32405  
gaaagttcaa ttccgcacaa attcgagtat actgctgatg tcgaagctcg cgttgcgcat 60  
gggtaagatt ctgatagaaa ccgcgagacc gttctcgaat tggtcgtcgt agtcagcgtc 120  
tccgttgtcg gcgccgacgg taacgacgtc gtcgacgtcg ttgacggaca cggatgatggg 180  
gtcgcaccgg ttcaagatca cgggggtattc gctgtcgaag gggattggga ttgggaagta 240  
cat 243

<210> 32406  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894187H1

<400> 32406  
ttcatacact tcttctgcaa acaaaaaaaaa tccccgcatt agggtttctt ttctccggcg 60  
acaatggagg tagctgcgaa cgcgcggaac cccgccgcta agcgaaaatt cgacgacgcc 120  
gtttctaacg gcgtcgccgc ccccgccgac gtcgatctct ccctcctcga agccatcgag 180  
aagtcgcaga acgcggtcga agccctcgat ctccgagccc taaagaagca cgtgctctcc 240  
ttcgagcgt 249

<210> 32407  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894188H1

<400> 32407  
cattcctctc ttatctctag ctatataata aacttttctt gtttccactc atcgatatct 60  
aacgcttttag tcttgcaatt gatataataat tatcatccaa aacatgtcac caacaaacaa 120  
tacttttgca atttttgtca tcttctgctg tgccatatcc tttgccttcg cttctgaccc 180  
tgacacactt caagaccttt gtgtggcact tccctcttca ggtgtgaagg tgaatggatt 240  
tgacctg 246

<210> 32408  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894189H1

<400> 32408

gtgcaaaggg taaccgttct gctttgccat catcaacaat aatgataaga cagccaattg 60  
 caaggtttca aggtcaagca acagatgtta accttgcaag aagagaagtc aataatgtga 120  
 agacagaatt gggttaaattg tatgcaaagc atatggaaaa aacacctgag cagattgaag 180  
 ctgatattca gcgtccaaag tatttttagcc ctacggaagt gtatgagtat ggcacatag 240  
 ata 243

<210> 32409  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894190H1

<400> 32409

gtcttggtat atgcttgaca ccaatttctt ttcttaattct atctcattct ctaacacact 60  
 canatgcttg gctcttattc ctattctcat ggttggtgct gtttcagaaa tatttggtcc 120  
 gtatagattt gctttcctct ttatgttttt gacagaaact gccacgagcc aacgaccttc 180  
 tatcttccat acaaaccatt actaccctgt taggaatttt ctgttttggt gatcttagag 240  
 gctg 244

<210> 32410  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894192H1

<400> 32410

accagtttca ctgcataaat ttgagagaaa actctgcaaa catggttggtt taccaggacc 60  
 tccttacagg tgatgagctt ctctcggact ccttccgtta caatgaaatt gagaatggaa 120

tgctgtggga agttgagggg aagtgggttg ttaagggagc agttgatgtt gacattggtg 180  
 caaaccttc tgctgagggg ggagaagatg agggagtcga tgacgcagct gttaaggttg 240  
 t 241

<210> 32411  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894193H1

<400> 32411

gcgacgacga tccaagtgat agacactcgt tgcgatggaa cttgtagctg aatccgagcg 60  
 aactctgtac ccatacgtga ctggatcctc tgtagtcgct atcaaataca aagatgggat 120  
 tctaattggcc gctgacatgg gaggttcgta tggatctacc ctgcggtata agagtgttga 180  
 gcgtatcaag cctattggaa agcattctct tcttggtgct agcggggaga taagtgactt 240  
 t 241

<210> 32412  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894194H1

<400> 32412

gccaatatgg aaacgcagat tgactactgt taaaaaaaaa aaagagcgga ggaaacatgc 60  
 atattctttt gatagagttt attagtttca tgtttaaagt atatccagta gtaaatacgat 120  
 tcattcttgt ataggcttgg cttgaccatg cagtgagggg tctgtttcct ccaaatgcac 180  
 cgtctcttat aactgattga tgattcttga gttgtcagtt gctagtgtag ccaatatgga 240  
 aa 242

<210> 32413  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894195H1

<400> 32413

acggcccggg ttgttatctt ttaaagaccg ttcgggtcgg gtcaggaccc gggtcgggaa 60  
 tggggatttg ttcgaccat ttttgtttgg tgaaagtga ggacttcagg gaaacggtgc 120  
 agtcgcagct aaaaaattgt tggcttttgc agagccagtg ccagtggaat aactataaat 180  
 gaatcaatga aaatattcaa tattgtacat ttttttctca ttgagtaatt tttttttggg 240  
 g 241

<210> 32414

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894196H1

<400> 32414

ccaccacacc tctcctcgtt cacgctaccc ctttcagctc ttcttctacc tttcaagttt 60  
 taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 120  
 ccctgacaag ctctgcgacc aaatctccga tgctgtcctc gacgcttgcc tcgagcagga 180  
 cccagacagc aaagttgcct gcgaaacatg caccaaaacc aacttggtca tggctctcgg 240  
 agaa 244

<210> 32415

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: 700894201H1

<400> 32415

gctgcgaaaa cccccaactc caacctctgt tcatcgtcta ccgcgcttcc ttttcaacca 60  
 gaactatgat taagcttttt aaagtaaagg aaaagcagag agaacttgca gaaaatgcaa 120  
 gtggcggacc acctgtta 138

<210> 32416

<211> 249

<212> DNA

<213> Glycine max



<223> Clone ID: 700894168H1

<400> 32416

```

ggcaaaatgg aaagcagacc atactggacg ctgccgtgct atgccacata taaagacttt   60
tgctcgttac aaaaatcaga gtcttgcttg gttcttggtta acctcggcaa atcttagcaa  120
agctgcctgg ggagctctcc agaagaataa tactcagttg atgattcggt catatgagct  180
gggagtacta tttttaccat cattattcaa acgacacgaa tctgtatttt cctgtaccag  240
taatgttac                                     249

```

<210> 32417

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894203H1

<400> 32417

```

ggtttggtgt ggcgattgct actggcaccc aatttattca gaattttcct gagcgaactt   60
ataaatcaat gcttattcca cttctgcaag aagataatag agctggcgaa acaactcgca  120
aagggtttta tttgtatgat gataaacgca aggctagtcc tgatcctgaa ttgaagaact  180
atattgagaa ggctaggagc atttctggtg tctccgttga tccaaagctt gccaaattac  240
aagaaaaa                                     247

```

<210> 32418

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894131H1

<400> 32418

```

cagcttttct agcttttcct ttctcggctt caatactcct ctctcaagca ttagtccctt   60
caccttcac cctcttgccc caaatctata gccgcctaag gactctcttt gatgctgcag  120
gcttcccttc ttcacacttg tttaccattc tcaacctcaa ggtctctcaa acaatcactt  180
cttcaatcct cgcccttctt ttcacctca cttttcttct cattgcaaaa gcatccataa  240
tccaggctct c                                     251

```

<210> 32419  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894132H1

<400> 32419

ttcggctcga ggtccttgaa gtacagctct gcagtgtcaa ctcttcttgc agtggcattt 60  
 gttggcatat gttgtgggtt ggctatcaca gctctggtgc aaggaaaaac acaaactcct 120  
 agattgtttc ctcggctaga ctaccaaacc tcattctttg atctgttcac tgcagttcct 180  
 gttgttgta cagccttcac atttcacttt aatgtgcacc ccattgggtt tgagcttgcc 240  
 aaggcatccc aaatgacaac a 261

<210> 32420  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894133H1

<400> 32420

gcgtttcaaa aaaacgtgtc tctctatctt gaatctggat ccagcgcctt ctattcagca 60  
 ttcacccaaa ccctatttct ctctctcttt cttccctggt tggtatcagc gagcacaatg 120  
 aggagaggag ctaagagaaa gacgaagcag gaccaagaag ccaaacacgt cgcagccgaa 180  
 gataacaaga ccgaagctca gcctcgagct aaacgggcca aaacctccaa gcctcaatcc 240  
 gaacctgagt actt 254

<210> 32421  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894135H1

<400> 32421

cgctgagaag cttgaaatgc tgtccattgc atttgctggg gagagcgaca agggaaatgct 60  
 ctatgtgttg aatggatgca agaagcttag gaagcttgag attagagact gcccttttgg 120

caatgtggca cttctgacgg acgtagggaa gtatgaaaca atgcatccc tttggatgtc 180  
 gtcctgtgaa gtgaccgtcg gagcctgcaa gttgctagcg aagaagatgc cgaggttgaa 240  
 cgtggagat 249

<210> 32422  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894137H1

<400> 32422

gccatggcgg tttccgcaat tggttttgaa ggtttcgaga aaagggttga aatatccttt 60  
 ttccagccgg gactttttgc tgaccctgaa ggaaggggtc taagggtctc tacaaaatcc 120  
 cagttgggtg agattctaac accagctgct tgcaccattg tttcttcgct caaaaacgat 180  
 aatgtcgact cctatgttct atctgagtc agcctctttg tttatgccta caagatcatc 240  
 atcaaaacct gt 252

<210> 32423  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894138H1

<400> 32423

ggaagagaac tggaagtggc tgttcaaaga aacaggtttc gcccgttaca acatcatcaa 60  
 gatcaacgct cttccttcca tcattgaggc gtttccaatc taacgaagag gaagccacta 120  
 cacttcatgt gcgtgggttt atgttgcatg tgttggtatt attattaaca gctatgtgat 180  
 cttcgtgtga tgtgggtttc atccctaccc gtgttatggt tgtgtattaa ataaaagtat 240  
 gaagcgcccc a 251

<210> 32424  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894139H1

<400> 32424

gaggaaacta acctaagcaa cacgcatcca cactgattcc aaaccttgca gttgcagagc 60  
 agaggttcca atgggtactg cgcataaacac tctttcctct ctctcgcgc ctcaagctac 120  
 cggacgaacc actcttcgta ttccaatttc ttcaaaacgc cacaggaaaa accatttgcg 180  
 acccaaaatt ctgaaaatcc ttactaaacc ctacccctc gcacttcctc ttctaccgtc 240  
 actgccg 247

<210> 32425

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894141H1

<400> 32425

aaagaaagaa agaaagaaaa ccctagctta ctttttcaac tttcaagatg caaatctttg 60  
 ttataacact cactggtaag acaatacacc cttgagggtg agagttcaga taccatagat 120  
 aatgtaaagt ccaagattca agacaaggaa gggatccac cagaccagca acgtctcatt 180  
 tttgctggca agcagcttga ggatggacgt acacttgtg attacaacat tcaaaaggag 240  
 tccactctac ac 252

<210> 32426

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894142H1

<400> 32426

taaaaaaaaat acatcaaggg aggtgattt cttcaagcaa caaacgcagt accaaaatca 60  
 tctacagcta gtttagctca aatcattttc aattcggaaa gaaaaaagtc ctttccaaga 120  
 tttcattgcc atccatcatc aagaagatac aaatcatcac agacaaagtg ctgttattac 180  
 tagaattgca ttatacaggc ttaagtgcag ctatgaagaa gtacccaaaa aaagtgggta 240  
 aattagag 248

<210> 32427

<211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894143H1

<400> 32427

gtttgttggt tcgtttttcc ttctctttcc gccagaatcc gttgagaatg gcgttgccgg 60  
 tagtcgtcga tgcagagtac ctcaaggagg tcgacaaggc tcgccgcgat ctccgcgcac 120  
 tcatcgctaa caggaactgc gctcctctca tgctccgatt agcctggcac gatgccggaa 180  
 cttacgatgc taagaccaag accggtggac ctaacggttc gatccggaac gaggaagagt 240  
 attctcacg 249

<210> 32428  
 <211> 74  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894144H1

<400> 32428

atctttctcc gtgtctgtac tagaaatcta gaactacaaa gaatcgctct cttggagcgt 60  
 ttccctccac agaa 74

<210> 32429  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894145H1

<400> 32429

cggctcgagt gagttagctt gctcttgga ttaatcgcca ctttttttga tataacagat 60  
 caaactgaag acgctggtca caataagtga ataaagctca gatcgagttt catcagagtc 120  
 acaataatga agcaagaagt ggttccaagg ttagtagcac caccaccacc accaccacct 180  
 cctccacttc caaaattcag ggtcttctca agaccaagag cagaagagag tgtcacaac 240  
 cgagaaat 248

<210> 32430

<211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894148H1

<400> 32430

gattcgaatc gttcccagcc tcgcaccacc atgaatcccg aatacgatta tttgttcaag 60  
 cttttgctga ttggagattc tgggtgtaggc aagtcattgtc ttctcctgag gtttgcctgat 120  
 gattcatacc ttgacagcta tatcagtacc attggagtgg actttaaaat ccgcactgtg 180  
 gagcaggatg ggaagactat taaacttcaa atttgggaca ctgcgggtca ggaacgtttc 240  
 cgaac 245

<210> 32431  
 <211> 85  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894149H1

<400> 32431

gttttgtag cttgagttct ttgtaaatca tcaccttcag tttagtgtct tcaaatttca 60  
 aataataatt tatgatgatt ccttt 85

<210> 32432  
 <211> 203  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894150H1

<400> 32432

tttacaatgg attaccgtta tccactctct gccttccaag cctttgccat atgcttgagc 60  
 agctttgata ccaaaccagc ctgtgaatga gaccgatggc actggatcat ctgctggagc 120  
 agcattgata ccaaaccagc ctgtgaatga gaccaatgac actggatcgt ctgctgggtt 180  
 gaaccatata tatataattg gca 203

<210> 32433  
 <211> 251  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894152H1

<400> 32433

ggcattcaca cactgcactg cactgcactt cacttcactt gtcgcttaat tcgtcaatgt 60  
catttgcat tcattaatgg cagcgagttc tagaggcttc tccactacgc agtttgattt 120  
caagctcaga gtaacgcgac tcaatgccgc tctgcttcct aagagtcccg tgctcgaatt 180  
agggtcccaga aagcgtagaa agctttgttt cgacgctgac cgagttcgac tcggtaatgg 240  
cgcaatacgc t 251

<210> 32434

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700894153H1

<400> 32434

ctggaatgct ttgattgcag tgtaataatc ttgtgagtat gaaaagtcac gggatctgcg 60  
tgttgcgaag aaagtgtttg atgcttgaga aatgatgact ataattctta tctttgtact 120  
tttttagtgg ggtacctgta tacattacac tggtttt 157

<210> 32435

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894154H1

<400> 32435

cttttctctt ctcccttttt ctctctgtct ctatctctcg gtctcgctct tcttctcatc 60  
aagcacagag ttacagactc accgatcttc cgattctctt tcgtcttggt ttatgagctc 120  
gaaggagaga cccactcttg gtggcacgcg gattaagacc cgcaaacgaa atattgctgc 180  
gccgctggac cctgcagcat tctcggatgc agtgggtccag atttatttgg ataatgctgg 240  
tgatctgg 248

<210> 32436

<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894155H1

<400> 32436

gtacattttt atttttatct tttttttttt gcagacgagc aatctcaaag gattacaaag 60  
agcatttcac gaaggaccgg ccatggattc aacttgatac tttctcacgt aatcgccgat 120  
agttcttctt ccaccagaga cgctcgcggt tggtacactt taccatccc tggcgctcct 180  
caactctttt tgacacaaag agtggacaac cgtgctgacc tcagtgattt tgagatatgt 240  
aacagataca a 251

<210> 32437  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894156H1

<400> 32437

cgctgaactc atcacttact ggaagccttg ttgtgagtaa gagaaaaggc ttctgcacc 60  
gagcacacca acttgatacc tctgattctt tctttgctta gaattccaca taatatggag 120  
aacattcttt tcaatcactc cccacctttg gaattcaagg gtttgagcaa ggaggaggaa 180  
gactcattgc tagggcaagt ggaaatatgg aggtacatga catgcttcac ggactccgtg 240  
gccttgaaa 249

<210> 32438  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894157H1

<400> 32438

ctgcatcgga agaaacccta gccactctcc cggcgtcacg atgcagatct tcgtgaaaac 60  
cctaacgggt aaaacgatca cgttggaggt ggagtcttcg gacaccatcg acaacgtgaa 120  
ggccaagatc caggacaagg aaggcatccc tccggaccag cagcgctca tcttcgccgg 180



gaagcagctg gaggacggcc gcaccctcgc cgactacaac atccagaagg agtccacgct 240  
tcacctcg 248

<210> 32439  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894159H1

<400> 32439

ctggtggact ggttgactat gatgatgatg aggatgaaga ttacaggcca cccccaaaga 60  
ggccagaagc ttctgaagag gatgaaggga taatggagtc tctcaggcag aaaagaaaat 120  
tgccttctga gaaccctgag cttgcaaaga agttgtcaaa aaactcaaaa tcaaaagata 180  
gtgtttttgc ttccttgtgt tcaacattga gccagactgt gctgcctggt aagaaacctt 240  
cagt 244

<210> 32440  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894163H1

<400> 32440

cttcttcttc aaagattctg tactatatac atcaaggga gaagagaagg gcataattaa 60  
gcagctttca gtggtgtaat catattgcag tgttgatggg gcatttttca tctgcgttca 120  
ataggttggc aaagtcattc acaacgaaga aaggaaggag ttctgatgaa tgtaatggaa 180  
gagaagccgc ggaagcaatg gcaaaggaag ccaaaagaaa tcacttcattg ttgcatagct 240  
ctggca 246

<210> 32441  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894164H1

<400> 32441

ttcggctctc ggttctagat catctctacc ctcttggtt ttgcaattaa agctcaaaat 60  
catggcatca gtgcgattgg aaaatttcaa caaggaataa atcctccatc atggaatatg 120  
ttgctctttc atggaagtca cctaggccta gttatgaaaa cagggcttat caccgggatt 180  
ttgtccctca ctgaaggat tgcagtagga aggacatttg cagctctcaa aaactacaaa 240  
gtggatggaa ataaggaaat gat 263

<210> 32442  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894165H1

<400> 32442  
ctccagagag aagaagaaac ttaatcgatc atcacttcac ttcactaata catcatggca 60  
gacgagaccc agaacaagta tgagagctct gaggttgagg tccaggatcg tgggtgtttt 120  
gactttctcg gtaagaaaaa ggatgaagaa gacaagcctc atcctcagga ggaggtcatc 180  
gccaccgagt ttcaaaaagt cactgtctca gaccaaggag agaacaagca cagcctctta 240  
gaaaa 245

<210> 32443  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894167H1

<400> 32443  
cactcattaa ttgcaagaat ggcacttcgt tgcttggtga tgtcccttc tgttctcttc 60  
actcttggtc ttgcgagaga aagccatgcc agagacgaag atttttggca tgctgtttgg 120  
ccaaacactc ccattccaag ttcattgcga gatcttctaa agcctggccc tgcaagtgtt 180  
gaaatcgatg atcaccctat gcaaattgaa gaaacacagt acccgaaaac cttcttctat 240  
aaag 244

<210> 32444  
<211> 249  
<212> DNA

<213> Glycine max

<223> Clone ID: 700894130H1

<400> 32444

aaaaatgaaa cctgttttct gtggaaacct ggatttcgac gcgcgtcaat ctgacgtgga 60  
gaggctcttc agaagatacg gcaaagttga tagagttgac atgaaatccg ggtttgcttt 120  
tgtctacatg gaagatgaac gtgatgctga gtatgcaatc agaaggcttg atagaacaga 180  
at ttggtaga aagggtcgcc ggaaccgtgt tgagtggact aagcaagaac gtgacagtag 240  
aagatcagg 249

<210> 32445

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894092H1

<400> 32445

caatatttgc ccttagcagt aacaaaattg ctgtgggtcaa gtattctctg ttgggttcta 60  
ttctttcaaa ccttcttctg gttcttgga cctctcaatt atgtgggtggc aatgaaacct 120  
taaagtggaa caaaaatatg acagaagaca agcagatgtg aactcactta tgctgttgtt 180  
gggattgttg tgctacttgc ttccaatgct gttcaaatac agtgggtgcct cagctgctct 240  
cactgtag 248

<210> 32446

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894093H1

<400> 32446

ttgatgacta gagagcaaag ttgtatgcta gtattgtgga taaaggttgt gccgcaacgt 60  
ttgcatttgc agctataata ttgggtgaat cctcagaagc tctgttttgg ctacagctgc 120  
ctcaggcact taaacatttg ttgaacaagg tattgagaaa gcctccacca aaagaatcca 180  
cagcagcacc tatctctgat gttgatcatg agacatctct actatctcgg atatcatcaa 240

agggaaaacc ga

252

<210> 32447  
 <211> 159  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894095H1

<400> 32447

agtcccatcc gaatatggta attcttggtg acgaagttgc tgcataaag cttaaccttt 60  
 gctgcaattg tcaaacacgg ttactgaatg caattcaggc tagagctata gaagacaaat 120  
 accatggagg tcattctcctt ccagaaaggc tgatagaga 159

<210> 32448  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894101H1

<400> 32448

ctcagaattc tctaaaagag atctttttct gctctttgaa gaaagaaggg tctttgcttg 60  
 attttgagaga tgtctctgct ctcagatctc atcaacctta acctctccga taccaccgag 120  
 aaggtgatcg cagagtacat atggatcggg ggatcaggaa tggacctgag gagcaaagca 180  
 aggactctcc caggaccagt tagcgacctc tcagagcttc ccaagtggaa ctatgatggt 240  
 tccagcacag gtcaagctc 259

<210> 32449  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894102H1

<400> 32449

ctaagatgca ggttggtggtt gataaatatc ctacatgggg tgatgttggt caagtagaca 60  
 cgtggggtttc tgcatacaggg aagaatggta tgcgtcgtga ttggcttggt cgtgacgcca 120  
 aaactggtga aatcttgaca agagcctcca gtgtttgggt catgatgaat aaagtgacaa 180

gaagactgtc taaaattccc gaagaagtca gggcagagat aagctcttat ttgtggatt 240  
ctgctccagt tgtg 254

<210> 32450  
<211> 257  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700894103H1  
  
<400> 32450

tattagagtt acgaacaaag cgtggtgata caccactaa tgtagtgat caatgtcctt 60  
gtgacacacc taaaagctgt aaaataaaag aatcacaaaa ttatagtagg atggacactt 120  
tagaaacttc ccatgattct taccatgaaa atattttaga aagcataaaa acagaaatcg 180  
aaatacaata tgaattatcc gtagcataat ctgattaaaa ttccgtcaaa attaataaaa 240  
ttataacttt cgataat 257

<210> 32451  
<211> 256  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700894106H1  
  
<400> 32451

cggaaaagaa gtggtggctt gtcctattc attgaatgaa tcgataaggt gtccatatct 60  
atcatcaaat cattcaaag cacctgttgt tgtgattgtg aaactaaaac accgtatctt 120  
atcgatcttc aaacacagca aaacagtggc atcagttatt ttgaggttgt ttgttgggt 180  
ggcggcggag agtggaagct gctaattaaa ggaaggaaag cattgctgtg tgtcagtgga 240  
atacaactac tacagt 256

<210> 32452  
<211> 254  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700894107H1  
  
<400> 32452

aaagaatgcc cgtggacagc aggggtctta tccaatcaag tcattttata cctccaacat 60  
 gccattatt cttcagctcg cccttgtttc caatctctac ttcatttctc agcttctaca 120  
 cagaaagtac agtggaaact tcattgtaga tctattgggc aaatggaagg agtctgaata 180  
 tggaggtggt cagtctgttc ctggttggtg tattgcatac tacatcactg caccttcag 240  
 cttagctgat atgg 254

<210> 32453  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894108H1

<400> 32453

gcgaagagaa tggctcccaa ggggttaatc tttttggctg tggtatgctt ctcagcactg 60  
 tctactgagtc gttgtcttgc ggaggataat ggacttggtta tgaacttcta caaggaatca 120  
 tgccctcagg ctgaagacat catcaaagaa caagtcaagc ttctctacaa gcgccacaag 180  
 aacactgctt tctcctggct cagaaacatc ttccatgact gtgctgttca gagttgtgat 240  
 gcttcactgt tgctgg 256

<210> 32454  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894109H1

<400> 32454

tgcttccttg cattggcaag aagattccct attggtttct gccacagtct tcaacacagc 60  
 tacgaatata atcaatctgg gcctccctcc attaagatgg ctgcagaagg ctacactttt 120  
 gggcttaaca agatacacca cactgaagtg ttctactcca caaatctctc ttacgccatg 180  
 gttaacctgc gtcctcttct ccctggtcac atcctttaca tgggtttcat gtttcaataa 240  
 cacagtgatg ggggtg 256

<210> 32455  
 <211> 255  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894110H1

<400> 32455

agtaggagcc cttacacctt gcagaatcat ctctacattc ccaagggctc ctactacgca 60  
ataactccaa gcccgatctc aaattaatat ttcatttact catcttaatc aatattaaat 120  
aagaaaagat gggagagatg tcaaacttcc aattgggtgt gattgggtgca ctatttctct 180  
ctgtggcttc ttctgtctcc attgtcatct gcaacaaagc cttgatgagc aatcttggct 240  
tcccttttgc cacia 255

<210> 32456

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894113H1

<400> 32456

tggtgaagca tgagacaaag catgaacaca tctttgttgt tggaaatact ggcaagaagt 60  
ttgagattat tcttgatttt cttgggtttgg tggagaaatt ttattacctc tcaggagat 120  
atgacattga gctgactgtc ggggatgctg tcatggagaa ctctttctta tggctgcttg 180  
gtcaagttga tttagatctt cctgaagcac ctgagaaggc agcccgctct cctccactcc 240  
ctgttgat 248

<210> 32457

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700894114H1

<400> 32457

ctaagccct ctctctccaa tcccaaggcg ccaccctcgc cctctccccg gcccaactgg 60  
cccaactctc cgacgtctc ttcaccatgg tgggcccccc ctccgacgtt cgctccctcc 120  
tctcgactc ccccgctctc tctccctcc g 151

<210> 32458

<211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894115H1  
  
 <400> 32458  
  
 ctgccacaat gcctcctgag gcccttgaga tcaccaggaa gtttatgaac aaacctgtga 60  
 ggatccttgt gaagcgtgat gagctcacct tggagggtat taagcaattt tatgtcaatg 120  
 ttgaaaagga ggaatggaag ctggacacac tctgcatctt ttatgagaca ttagctatca 180  
 ctcagagtgt catttttgtt aacaccagaa ggaaagttga ttggttgact gacaagatga 240  
 gaagccgtga 250

<210> 32459  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894116H1  
  
 <400> 32459  
  
 aagacaacga ctgttgtctg acatttcgag attggaggcc aaagtggaga ggcttgaagg 60  
 tcaactacaa gtcaaagaca gggagatagc gactattact agaacggaag ctaaaaacac 120  
 tgcagctctg aaggcccaaa ttgagaagct gcaacaggag agggatgaat tccagagaat 180  
 ggttattggg aatcagcaag taaagactca acaaatgcat gagatgaaga agaaggaaaa 240  
 agaatacata a 251

<210> 32460  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700894117H1  
  
 <400> 32460  
  
 tccgctcgag agagcagtgt cgtgtgtgtg tgtgtctctc tctttctctg cttttgagta 60  
 attaaatgag agcaaaaatg acgctcaaaa cagcggcggt ggctgtggct atagtgtgca 120  
 tttctgcctt tagcatcact gtggtggctg aagatccata caggttcttc aactggaatg 180



ttacatacgg agacatttat ccacttggtg ttcgccaaca ggaataactt atcaacggtc 240  
aattcccagg tccagacatt cattctg 267

<210> 32461  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894118H1

<400> 32461

tggagcggcg aagatagagt cagatcggaa gcggaagaag gcgtcgacct cggcggcgga 60  
gaaggagaac cggaataaga ataagaagtt gaagatgtcg tcgtcgtcgt cgaaggctgg 120  
tggcgggtggt gaggttaggg cttcgcacat attgataaag cacgaagggt ctagaaggaa 180  
ggcctcgtgg aaggatccag aaggccgcat catcaagagc acaaccagag aaaacgcggt 240  
ttctcagctc aaggcc 256

<210> 32462  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894119H1

<400> 32462

ccatctcaca caccctcgc atccaacaat gtctctcacc attccctcca acctctccaa 60  
aaccgccgcc ctccgcccc aactaagccc aaagctaagg tccgccgcca caaccaccat 120  
cgtctgcagc accaccaaca acaacaaca caacaacgtg tcctccgacc tgaaggcggt 180  
ctccgccgcg ctggccctct cctccatcct cctctccgcc cctctccccg cggcgccga 240  
catctcgggg ctca 254

<210> 32463  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894120H1

<400> 32463

gtatgtttga gaagtaagaa gcatggctca gtatgggttac gcataccgaa gcgctcaaatt 60  
 atccacctac aacactagat atgtgagaaa cattgaaact ggtgcaaagc catttgctcc 120  
 ctacgacccc aaatttagta acggtaatgg ttactcagac gggatcgta ccaagaaaaa 180  
 aataattcca gttgctagca ggccttatta tgaggacgag agtgacaacg accatgatga 240  
 cgatgaaggg aagca 255

<210> 32464  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894121H1

<400> 32464  
 ggcaactaac agacctgaca ttattgaccc agcacttctt cggccaggcc gtctggatca 60  
 attgatctat attcctctcc ctgatgagga ttcccgtcat caaatcttta aagcctgctt 120  
 gaggaagtca cctgtcgcaa aaaatgttga ttgagaaca ttggctaggc atactcaagg 180  
 gttcagtggg gctgatatta cagaaatatg ccagcgagca tgcaaatatg caataagaga 240  
 aaacatagag aagg 254

<210> 32465  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894122H1

<400> 32465  
 atttctttgt ggaattttgt gtgagtggaa ctggaagtct cgttgatttt gttgaattat 60  
 tgtgtgagga ctgaatcctg atgcatatgt acgaatagtt gacatttttt tgctcttca 120  
 ttcaatgccc acctttgaag ggaatggata gtcgcttctt gaaggaatta gggctcaaatt 180  
 tggttcaaag ttaaccaatc tattatctaa ctaggtaaaa atctcaccca gatgtcaaatt 240  
 gttgggaact c 251

<210> 32466  
 <211> 256  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894123H1

<400> 32466

cgatggtata gggttttccc cggcgggata cagtcccga atcccttctt catcctgttt 60  
 tcctaaaaaa ttgagagtcc agccgcaacg ggccttgagc tctgaccctt acgttctgga 120  
 actcgccgaa accctagaag actccttccc ctctctgcc tccacccac tccctctcca 180  
 gaacctccgc ctctctctct cccaatccct cctctccact ccatggccct cccgccgcga 240  
 cgagcccttc cgcttt 256

<210> 32467

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894124H1

<400> 32467

gcaaacctg atctggtaaa gaaagccttg aagtatgtac attctgctgt acttgataaa 60  
 cttggtggga aagaactaga gttgttgatt gccattcttc cagacaacaa tggctagctg 120  
 tatggcgatc tcaaaagaat ctgtgaaacc gatctggggt tgatttctca gtgctgtctt 180  
 acaaacacg tattcaagat caataggagt tatttggcaa atgtggcact aaagatcaat 240  
 gtcaagatgg ga 252

<210> 32468

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700894128H1

<400> 32468

gaatgttttg gaggcatttc gaagggctat aacaacttg agtagatgga ttgatgcaa 60  
 cataaatcaa tctaagtcta tggattctt cagaggctat tctgcttcac atttcagtgg 120  
 gggacaatgg aattctggtg gacaatgtga cagtgaacc gtgcctatca agaagagaa 180  
 gtacttgagg gaataccccc ctaagatgag ggtattggaa aaggttttga agaacatgaa 240

agcccatgtc

250

<210> 32469  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894129H1

<400> 32469

aagcacaaaa aaaaagtgtc tggccccaaa atacaacaag agtgtaaaat ggtggtggca 60  
 gagttcacta gtggtggctt gaggggaatg aaggccttca gctaccatgt tctcacgggg 120  
 cgttggttca tgctatttgc atctttactc atcatgtccg ttgcaggggc aacctacatg 180  
 tttgggatat actctaacga ggtcaaaacc tcattagggg tacgaccaat ccactctcaa 240  
 cttgctaa 248

<210> 32470  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894091H1

<400> 32470

cacttctgga tgcagacctt gaaagtgata tcttgggttg gcaatatatc tcaggaggct 60  
 taccagatgg ccatgagctt gagcgcttgg acaatcctga gattcaaggg gctaaatttg 120  
 atccagaagg tgaatatgtg aggcaatggc tacctgagtt ggcaagaatg ccaactgagt 180  
 ggatccatca tccttgggat gcaccactta ctgtgcttcg agcagcagga gttgagctgg 240  
 gccagaa 247

<210> 32471  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894058H1

<400> 32471

attaattgca agaatggcac ttcgttgctt ggtgatgtcc ctttctgttc tcttcactct 60

tggtcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120  
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180  
 cgatgatcac cctatgcaaa ttgaagaaac acagtacccg aaaaccttct tctataaaga 240  
 agacct 246

<210> 32472  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894059H1

<400> 32472

cacttctgga tgcagacctt gaaagtgata tcttgggttg gcaatatatc tcaggaggct 60  
 taccagatgg ccatgagctt gagcgcttgg acaatcctga gattcaaggg gctaaatttg 120  
 atccagaagg tgaatatgtg aggcaatggc tacctgagtt ggcaagaatg ccaactgagt 180  
 ggatccatca tccttgggat gcaccactta ctgtgcttcg agcagcagga gttgagctgg 240  
 gccagaat 248

<210> 32473  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894060H1

<400> 32473

cttcttccaa atttccaact tccctctgcc tcttctaag gtatcttate tttcgatcga 60  
 agggtttgca agggcttaag ctcaaccaa ccctaaaccc taaatttccc tatttctttt 120  
 ctcgatcttc cactctatct ctttcttct cataaatttc gcatccatat tctctcacct 180  
 catgcactca gatcaaatcc gactctttt atcactgaag tgagtgcgt tgttgagggtg 240  
 tggttcttgg tgggga 257

<210> 32474  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894062H1

<400> 32474

tgagaattcc ctgctgtttt atacagcagg tcttgagatt caagggcagg tcttggggcg 60  
 aaacagaccc gagattcggg gagacgtgtc gctatgtggc cgaggcacat gttcaggcac 120  
 tgcagtttga tgaggctgag aagctgtgcc agatggctct tgacattcac aggggaaatg 180  
 gagctcctgc ttccatcgag gaagctgctg ataggagact aatggggctt atctgtgact 240  
 caaaggggtga ttatgaagc 259

<210> 32475

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700894063H1

<400> 32475

tcgaattctg ctttcttctg atggagagat gttgagttct atgaaccttc ttctttacat 60  
 ggctccgatt actgtagtta tgccgcttcc tgctagactt ataatgtaag aggatgcagc 120  
 atgtattaca tatgctcttg tctgatatga tgtgaagaac attaggtatc tgctatttac 180  
 ttcagcactt ggttattttg tcaacct 207

<210> 32476

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894065H1

<400> 32476

ctaaacaaca aaatagacac ctgttaataa ggaggacaac gatggtgctg ccgctattta 60  
 ctgctttcat tctctttgct tttattccga atggattggt agcagttcct tccaccgtcc 120  
 cggcattcct ttggtcatca cattatgaac tggcctctga aaatatattg aaggaaatctg 180  
 taaattacca agtcatttct ccgaaggatc tagcaaaatc tattttatct gaagcaggct 240  
 gg 242

<210> 32477

<211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894066H1

<400> 32477

gttcgtgtcc attcctagtgt ctgatgctat ttacatgaag tggattctgc atgactggag 60  
 cgacgagcac tgcatacaaga tcttgaagaa ctgcaggaag gcaataccag agaagacagg 120  
 ataagtcata atcgtggatc acgttcttcg acccgaaggc aacgaactct tcacagacgt 180  
 tggcatcgca ttcgacatga tgcttctcgc tcacaacgcc ggtggcaaag agaggaccga 240  
 a 241

<210> 32478  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894068H1

<400> 32478

agctgaaggc ggtgtcggag gagaacccta acgagactgt gaaaaggga acggtggatc 60  
 tcggaaacgg aagcgacgtc gtttacattc agaggttaat accctccgat caatcatgga 120  
 aatggttcca ttatctcgac aaacacatcc catggaccag acccaccatt cgcgtcttcg 180  
 gaaaatcttt ccttcagcct cgagacacat gttatgttgc aactccagga ttgactga 238

<210> 32479  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894069H1

<400> 32479

gcttctagta aagataagac actaaagatc tatgaaggaa gttaccacgg cattttggaa 60  
 ggggaacctg atctgctgct ccatggagaa tcaataatgg agcagaaacc tgcatacc 120  
 tcatgttgcc acctactgca cttttaagggt tattaaatct tttgtctaag gtgatgccag 180  
 aggcaaaact gtttccacac aacatacgaa tcaaanrnnn actagccttg tgtaattgt 239

<210> 32480  
 <211> 178  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894070H1

<400> 32480

ggagatggta gtggaagtgt cacttctatt ttcggatttg cgtttttagat tggagtagga 60  
 gatattgatt ggattgctat tggatatagag ttatgatgtg ttgtcgaatc ttgttggtgg 120  
 ttagcgctct ctagatagag gcacaattag gaggggtgta ttccattccc ggcattctc 178

<210> 32481  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894072H1

<400> 32481

gttgtaaagc tgtatagatt ttattctaaa ctgtaaactg gcatgttgca atgcgatatg 60  
 tcagtttaca gtttagaata taatctgtag agctttacca gacataagtc ttgtaagaac 120  
 tgctcgtgtt ccggctcaga gtattcgtgc acacaaagta aattatcttg ctttcaccaa 180  
 gccannaat agttgtagag ctgtatagat ttatttctaa actgtg 226

<210> 32482  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894073H1

<400> 32482

gtcttgtttg ttatgttttt ctcccttgt ctacatctat atttattaga atttattgg 60  
 tgtgcatatc aattccaaag taccctattg ttcatTTTT tttttctgat ttattgctat 120  
 tccacaaatc ggacgttata aaggaaacca attgtttaat atattaagga gtcttcaaga 180  
 gattgtcttg ccctttgggt tgctataatc aaacgctcaa ccacttggtg aaaaagcctt 240



at

242

<210> 32483  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894075H1

<400> 32483

gaatacttct accccttggc gggaatcagg ctcataaggg aggacttgaa ctacaagaat 60  
aaacccatca tccctgtgct caaccctcaa ggccgggtcg tcaactacaa tgcaatgcac 120  
atgattttcg tctggggcat cgatgccttc cctttcagac cctctgatga tgatgtcctc 180  
accagaaat ggaattgggt ctgggccgaa atgaagaaag tcaatcccaa gctgcaagac 240  
cttataa 247

<210> 32484  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894076H1

<400> 32484

ctctttacca gtatattctg gagacaagtg tctaccaag agaacctgaa tccatgaaag 60  
aactgagaga gttgacagca aaacacccat ggaacatcat gacaacctct gcagacgaag 120  
ggcagttctt gaacatgctc ctttaagctca tcaatgcaa gaacaccatg gaaattgggtg 180  
tctacactgg gtattcactt cttgccaccg ctctcgctct tcctgaagat ggaaagatct 240  
tggccatgga ca 252

<210> 32485  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894078H1

<400> 32485

cgttcacatt gttatgtggg tattcttttg cttccattta tcatgagcaa catcccaaga 60

tctctcaccg actcttccct aacctcttc aaccttgcca tatcatcctc tgaccctgg 120  
 cctttctcac tcgttttctt atagccctaa ttaacgtgtt aataattctc actccacttt 180  
 tcttaaacct tgctctttct ttcttttttt cccctatccc tttagcttaa ttttttggct 240  
 acgttatggg gatc 254

<210> 32486  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894080H1  
 <400> 32486

gtggaaagtg ctacctctat ttaggaacat acaccacagt ccagacaact tcaaggagcc 60  
 agaaaaattt gatccctcaa gatttgaggc tgctccaaaa cccaacactt ttatgccatt 120  
 tggcagtggg atccacatgt gtccaggga cgaattagcc aagttggaga ttttggctct 180  
 cctacatcat ctgaccacaa agtacagggtg gtctgtgtgt ggtgcaaaga atgggattca 240  
 atacggccct tttgctctt 259

<210> 32487  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894081H1  
 <400> 32487

gacatttctc attattattg ttggtacgtg gattatatca attgtgggga gctggtgcaa 60  
 tttcttgacc ttgttctaca ttgtctttgt tttgttgcac acggttcctg tcacttatga 120  
 caagtatgag gataagatag accctctggc agagaaggca ttcacgagt tcaagaagca 180  
 gtatgctgtg tttgacgaaa aggtcttgaa taagatcccg aaaggcccat tgaaaggg 238

<210> 32488  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894082H1

<400> 32488

cactccttca tctacgtaat ttcttccctt cctttctttc tttctttctt tctttatctt 60  
 ctcatttttc tcaatacaat ttttttcttt ctttctcaag ttttgctact tttctcttct 120  
 caaccatagt tcacatatta tatcatcaca tatcatagtg atatcatatc acaatgtgtg 180  
 gcatacttgc tgtgcttggg tgctctgatt catctcaagc caaaaggggc cgcgtcctt 239

<210> 32489

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894083H1

<400> 32489

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120  
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttc 238

<210> 32490

<211> 227

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894084H1

<400> 32490

tgtttttcgg acaaagtttg aagtctccac catcatctcg caactgttgt tcccagaact 60  
 gggttcttga tcgacggtgg caaaattgct tttatttacc tgtgttttaa tgtgttgtgt 120  
 ttgttggaa ccttgattac atttttggtta agcgcacgan gtttcaggac tttgctgcgt 180  
 tgtgttgctt tggtttatta aatgtcaact ttctatttgt agtggttc 227

<210> 32491

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700894085H1

<400> 32491

gtgtttccaa tgtcaattac aaacacgttg aagccaagct cttgagtaaa taaagaaata 60  
 tgcattgcgtg attcagactt cagatactga acgtaattgg ggcaagagat tattatcaat 120  
 tctcaatctt tatctcttgc cccatgtacg ttcagtatct gaagtctgaa tcacgcatgg 180  
 ggcaagagat aaagattgag aattgataat aatttcttta agcattatat gtgtttt 237

<210> 32492

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894086H1

<400> 32492

caggacggtg gaagagtttc agaaagggca tgtggatgca gagaagatca ttaacgttgc 60  
 atacatgttt aatacaccag aaggcagagt gaagaatcca gaatttctta aggaggtttc 120  
 atatgcttgc aagaaagaag atcatatcat cgtgggttgt caaagtggag tgagatctct 180  
 gtatgcaact gctgatcttc taacggaagg atttaaggat gtgagcaaca tgggagga 238

<210> 32493

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894087H1

<400> 32493

ctgaaacttc aattaattgt gaacacatat ttgcagcat agagaaatgg aagactatgt 60  
 tataaggaca attgttggtg gagttgtttc atggacatca gcttttgtcc tagtgagaag 120  
 aatctttccc aagcgttctt ttgatttctg caaccgcgtt gtgtccacgc tccatgcaac 180  
 tttagcagtc acattggctt ggctctctgt tgaagattgg aagtgtccaa tttgtcctg 239

<210> 32494

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894088H1

<400> 32494

cccagataa cagcaacaat tacggttaca acaacaacat caacaacgat tcattctcgt 60  
 ttctcggcca agacgtttct ctccagatcc aacagcagca actcgacatc gagcacttaa 120  
 tcatgcaacg catggagaag gtgagaatgg agattgatga aaagaggaag aggcaagcga 180  
 ggaggttcat cgaggctatt gaagttggag tgatgaagaa gctgaaggcg aaggaagagg 240  
 a 241

<210> 32495

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894089H1

<400> 32495

cttgattccc ttcattgttca ctaagtattt gcaagatgtg tttaagggtc ctttggttat 60  
 atagctcact gatgatgaga agttcttctg gaaaaatctt tctatagacg agtgccgaag 120  
 acttgcaagg gagaatgcaa aggacatcat tgcttgtggt ttgacattt caaagacatt 180  
 catcttctct gatttcaatt atgttggcgg ttccttctac aagaacatgt gtgaggttgg 240

<210> 32496

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894090H1

<400> 32496

gtaatttttg tcattgatta attctgcaat tgagcagagg agccatggcc aaaatcgac 60  
 ttggaagcac ccgagaggcc actcagccag actgcattca ggccctcatc gttgaattca 120  
 tagccacctt cctctttgtc tttgttggcg ttggttcttc catggtcggt gacaagcttg 180  
 gtggggatgc actagtggga ttgtttgctg tggccgtggc acatgcactt gtggtggctg 240  
 taa 243

<210> 32497

<211> 247

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894057H1  
 <400> 32497

gcattgcact gcagcacctc ctccctacca aacccctctt gccttgtctc cgacccgccc 60  
 tgactcgttg agctcgccgg aaactttggc caaaagggtc tccgaattcg cccatggccc 120  
 ttgatttccg accttagaga cccttcaagt ttctgccttt ttcttattcg cttttccctt 180  
 ttttttgggt cctcaatttc tgaaacctgc aactgagaaa aagattgtctc tgataactcg 240  
 tgcctcg 247

<210> 32498  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894028H1  
 <400> 32498

caaaagacaa tactattgga actgctaata atcccaattc aaatgtgggt aaaagaagtt 60  
 gggattttta aggatcagta atggggaaaa ttaagggtca ttgtggtgtc ctttttcatg 120  
 atttctggtg taggagcact cattgaagat aaaggaatta gtaaaggact tggataaat 180  
 gaagaagtgc aacctagcat ggaatcaagt acaaaattta gtgatgtaca aggtgtcgat 240  
 g 241

<210> 32499  
 <211> 107  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894029H1  
 <400> 32499

gacaaagtcc ccggtgttgt ctatacaatg cccgaggttg catctgttgg gaagacagag 60  
 gagcaggtga aggaacttgg agttgaatac cgtgttgga agttccg 107

<210> 32500  
 <211> 252

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700894031H1

<400> 32500

ctctctcttc tcttcattct cctctttaat tcttttctct tttctttctt tcacacaaac 60  
 tcctcttctt atgatgggtc ttgatcaaga tgctagcagc aactctggcc ttcattcttat 120  
 tctagcggtta gctttgactg ccaccaccac cactactcca tcactaccat ccatttccaa 180  
 caagcttgat catgttgatc atcatcacca tcttataact cttagaccaa caacaaagtc 240  
 accctataat tc 252

<210> 32501  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700894032H1

<400> 32501

ctcgagccgg tttatccatt aggcaaaaga agagtaggcc agtagggaga tttatatttg 60  
 gattgcatgc cancttggtta ggattgnaat tatttagtgg gtttggtttg gattttacct 120  
 gtgtatatgt tttcttggtt gaatagtaat atgggtctgt aaaaaatccc ctctagaacc 180  
 tctggttttg caattgagtg atctttcttt gcaaaataaa ccaatgtaga atctaataaa 240  
 tgtatgcaag agtgagggt 259

<210> 32502  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894033H1

<400> 32502

gtctttcgaa tcctctcacc cagaggttcg attcgtagca ttagtggtg ggatttcagc 60  
 ttccgcatct cttgattcca aaaaattttg tttctttttt tccccctaatt ttgatttccc 120  
 cagttagggt ttttaattct actcgatcgc cggtttcgaa taccggagg ctcgaatcgt 180

gttggggggtt ttggtttttg attaaggaag tttccgtttt ttgtgttggg tgatcaaggg 240  
 ttgtttga 248

<210> 32503  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894034H1  
 <400> 32503

ctcaaataaa aaatcgaata ttcgaatttc accgcttcga aaccctttct ttatcgccag 60  
 ataattttca aaccctaaaa tccgaatttc gctgatgatc tttcctaata gtcatacat 120  
 caaacaattt ttcttcatat ctgtctccgg gagagtcgct ttgacgggaa acaagggttt 180  
 tcgctgcaat tctaatacggc caaattggaa tcgtcggatc aatttgcata gaagttcctg 240  
 gagtg 245

<210> 32504  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894036H1  
 <400> 32504

gtctttcatt cccaacctaa ctttcttccc tctctctctc tcacatctat aagcaaccaa 60  
 tccaatccca tctctctctc gcaaaccacg acgacgacga cgatgttggg tgcctccgc 120  
 agcaaggctg ggttccctccg ccgcctcatc tccctctccg tccccctccg gcaccggtcg 180  
 atcaaggcgg cggcgggcggg tggacatgtg gtggaggttg acatggcgga gtacgacgtg 240  
 gcgctg 246

<210> 32505  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894037H1  
 <400> 32505



aattatcaac tctttcaaaa gggagaagaa aaggaaagga aacaaaacgc acaaaggatt 60  
 attatagcaa tggcagaaca aaacccaaac cagacaactg aagctggaag gcaccaagag 120  
 gttggccaca agagccttct ccagagtgat gctctttacc agtatattct ggagaccagt 180  
 gtctacccaa gagaacctga atccatgaaa gaactgagag agttgacagc aaaacaccca 240  
 tggaac 246

<210> 32506  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894038H1

<400> 32506

ataaatatac atgacgttcc ttgttaattt catgaagaaa ataatacgtg catacatagc 60  
 tatctattta tctatagcaa gtgagtcaag agacacgtgg taccctagct agagtgccat 120  
 tctgtggttt ctttctttct ttctttctgc atcacatcac aatttgcttt gcctcgtgtc 180  
 ctttttcttc ttgtctttct aaaaatctca cacacacagg tatctagcaa atgggttctc 240  
 accaac 246

<210> 32507  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894039H1

<400> 32507

cagaatattc tgcttttcga gaagcaagct acggacattc cacactggag ataaaaaata 60  
 ggacccatgc tatctaccac tggaatcgca atgatgatgg caagaaagta ccgactgact 120  
 cttttgtact gcataatcag tactggggac acaatcgag aagaagaaaa ctgaagcatt 180  
 ttctattgaa agttattgat gaagttgcca gcatgtaatt tgaagttgaa gcactagcat 240  
 atttgg 246

<210> 32508  
 <211> 247  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894040H1

<400> 32508

cacacacaca aattctcaaa cccaaatccc aagtctccta aaaccctaata tcgcagtgaa 60  
aatgagagaa atcttgcaca tccagggagg gcaatgcggt aaccagatcg gagcgaagtt 120  
ctgggaggtg atatgcgacg agcacggcat cgaccacacc ggaaagtaca gcggcgactc 180  
cgagctccaa ttggagcgca tcgctgttta ttacagttaa gccagcggcg gaaggtagct 240  
tccacgc 247

<210> 32509

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894041H1

<400> 32509

tgtatatatg tggattata actagaaaac cttatttga cccttaattt gtccttagtg 60  
tctgtttcac ccgagtatct ttccatccta atccctcatg ttgaaaacat caatatttca 120  
gcattcaaat gccactacta gtcccatat gcttggaaca gtatgaacag tatagtttat 180  
gcgcaaatca ataagtaact gttctgttta gtgcatgttc tttaaatgaa gatacathtt 240  
ttagatgt 248

<210> 32510

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894042H1

<400> 32510

tgaaagatct ctcccttcac cctagaatcc caggcacatg ctgtgattct aggggtgaagg 60  
gagagttctt tcaccaaacc acatttagca tcagtttgtc tgttgcaaaa aaattttattg 120  
aagatgtgca aaatctagtt caattggagc cgaagggatt ttgtggcata gagctttaca 180  
atggaattct catgcgttat gtcaaggctt cgagtgccta tttggggaag caagatgatg 240

ctttagacat tg

252

<210> 32511  
<211> 203  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894043H1

<400> 32511

attcgcttga aagcaagtaa ctttgttcct tctaaggagc tacttcgtgt atctatacgc 60  
atgcataggt tcttagatgg gagcttggat gtcaaagacg tcgctgtcac tgaggtgcc 120  
tgcacatcat gttcgttctg gagatctatg tcttccgtat cattagctgt tgtcattgtg 180  
tcctcagctg gagatggaat atg 203

<210> 32512  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894045H1

<400> 32512

tttatataat aaaattccat gttatgtggg tagagccta atttccttgc ttgctattgt 60  
aattgtatgc tatgctttga cttaatcggt ctgaatcttc ttctataaac ctttaattgtt 120  
atTTTTTcag gccttcaatg ggttactatt attgtaaacc caggccttgt gatactcata 180  
ctcccaatgt tgttctgac ttggccgtgg ccttgattct tctatgtgcc ccaaagttct 240  
tctcaggtga agcagag 257

<210> 32513  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894046H1

<400> 32513

ggcttccgct tgtgcttcct ctgcaattac agctgttgcc atctctacgc cgagttccgg 60  
gcagaagaat ggatcaggag gttgttttct tagtggaagg aaattgaggg tgaaaaagga 120

gagagcagca attggaggac gatcgatggg cactacagtg tgcgcagttg ctgagcctga 180  
 cagacctcta tggttcccag gcagaccccc tcttccatgg cttgatggca ctctacctgg 240  
 agacttcgg 249

<210> 32514  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894047H1  
 <400> 32514

ctccgtggtg gcatgcagat cttcgtcaag actctcactg gcaaaaccat aaccctagag 60  
 gtcgaaagct ctgacaccat tgacaacgtc aaggccaaga tccaggacaa ggaggggaatc 120  
 cccccagacc agcaacctct catcttcgcc ggaaagcaac ttgaggacgg gcgcaccctc 180  
 gccgactaca acatccagaa ggaatctacc cttcacctcg tctccgtct ccggtggtggc 240  
 atgcagatct tcgttaagac cct 263

<210> 32515  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894048H1  
 <400> 32515

ggtgtttgaa ataagtccat cattgtatgt agtagaatta aggaagtcgt atggagatgg 60  
 ttctgtgtat aaacagttat gcaagaaatt attgaatgat ttgggtgttc cccccaagca 120  
 agggctagtg agatcagcag caaattagaa gccacattat gtgtaggcta ttttctgttt 180  
 ttttgctcag gtggatagct acgcagatga tataaaaacc aattgtaa atgcattatagt 240  
 taaagagtag agaaatgcac aca 263

<210> 32516  
 <211> 237  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894049H1

<400> 32516

ctctctccat ccaacatcga aagccggctg ttttgtgttc cgccgaaggc accggagggt 60  
 gtagcaggct agcagctatg gatttggcat ccaatctcgg tggcaagatt gacaaagccg 120  
 aagttctctc tgccgttcag aagtatgaga agtatcatgt ttgctatgga ggtcaagagg 180  
 aagagaggaa agctaattat accgatatgg ttaataaata ctacgatctt gttacca 237

<210> 32517

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894051H1

<400> 32517

aaagtgttgt aagtcgtaat aatcatagac aggcacagac acagagggcc aatatgaaga 60  
 ctctgtacct taagaagatc tctgcaaaat gggttccaat tttctctgta tcttccttcc 120  
 ttattggaat gctcataaca accaggatgt gggaaccacc agaataaac ggggtgttac 180  
 tgtcaaatca ccgacatgag ctttaactac aagtgggtgc aggggattgt gctactaaaa 240  
 agc 243

<210> 32518

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700894052H1

<400> 32518

ctgtttgatg ctgtggttta cctgatgctg actaatgatg tcattcatgg gctcttcctt 60  
 gaggctgtta caattggtga agatgtgagt ggaatgccta cattctgcct tcttacacaa 120  
 gatggtgccc ttggctttga ttatcgctg cacatggcca ttgcagacaa gtggattgag 180  
 attctcaaga agaacgatga agactggaaa atgggtgata tcatccacac aacat 235

<210> 32519

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894053H1

<400> 32519

gcaaagagag agtgtgtgaa aagtgaaca aaaaacagaa caacaatggc gacacttaag 60  
gttcctcagc ctcttccccc cgttgcagat gattgtgagc agctccgaaa agccttctca 120  
ggttggggaa ctaacgagga gctgattgta tcgatcttgg ctcataggaa tgctgctcag 180  
aggaagctta tcagagaaac ttatgccag acctatggag aagatctcct caaggccttg 240  
ga 242

<210> 32520

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894054H1

<400> 32520

cttgtggatt tcctatccca tgctgcaata gtaggatttg tagcaggagc agccattgtg 60  
attgggcttc aacagttaaa gggactctta ggaatcacc attttacgac caaaaccgac 120  
atagtctctg tcatgaaagc tgtttgggaa gcagttcata atccatggag ccctcgaaat 180  
tttatcctgg gatgctcctt cttggtcttc atcctaacga cgagattttt gggtaaaagg 240  
a 241

<210> 32521

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894055H1

<400> 32521

cacgtagaga acctctaaaa acaaaaataa aaacattctc tccattcct cccccctta 60  
gcccttcctt ccttcatttt ttttctcttt cttttgttgg tttgtttgtt cttttgttg 120  
tacgttctcc tttgttctct tcttccgcat ttggtacatg cgggtgttcta cttctctctt 180  
ggtttgataa caggatttga ctcaagtgtt gtggtctccc atttcaggag aatcactcac 240  
tg 242

<210> 32522  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894056H1

<400> 32522

attctatctt gtgcattgtg cttttgttgg atttggatga atcctttttt ttgttcctac 60  
 gatgatactc cctctctctc tctatatata tatatgtata tatactttcc tcaactgtta 120  
 acaattgtta ctcaatttga tctgtaatgc atattaatgt tagagactaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa aggggcaccc aaaaagaacc acct 224

<210> 32523  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894026H1

<400> 32523

caatatggtt gggattagtt ggagctgccc tctttattca aagataaact acacttaaaa 60  
 cacggagttt gagttctcca atttgtgatg tataccttct aatttgttgt tatagttttt 120  
 ctttttagtt tatatgatgt gaagtccatg ttgtaacatt attatagaat gtatggaata 180  
 gatttgtaaa tttattgtgt gtatcaaata gatgaagatg ttatattatc ctactgtggt 240  
 gcttttatgt t 251

<210> 32524  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893991H1

<400> 32524

actactacta ctgcacacac tctctctctc tctctcattg tatggccgcc aattcgagta 60  
 gccgagggat caccgccttg gggaagcgag tcgccaacca gatctggact tccaaccccc 120  
 cctcagctcc tctcacttcc aggaggggag caatagcagc tgcatacagt agcagcggcg 180

ggtcagtgtgta tgacaagaac cctgatgatc agatccact

219

<210> 32525  
<211> 214  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893992H1

<400> 32525

attaacatat acaaattctc tgtgttgtgt tgtgtacttg tgtaattgt gttgttggtg 60  
taggaaattt aagtgaagag agaattgatga tgaagtctgc tatgtgtgca ttggtgcttg 120  
tggcactggg tgtggttgaa gtggggccca tggctgaggc tgcggtgact tgcaacccaa 180  
cacagttgac tccttgtctt ccggcaatta attc 214

<210> 32526  
<211> 185  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893994H1

<400> 32526

tgtatgtttg agaagtaaga agcatggctc agtatggta cgcataccga agcgctcaaa 60  
tatccaccta caactagc aatgtgagag acattgaaac tgggtgcaaag ccatttgctc 120  
cctacgtccc caaatttagt aacggtaatg gttactcaga cgggatcggtt accaagaaaa 180  
aaata 185

<210> 32527  
<211> 226  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893995H1

<400> 32527

atgtgtcagc tattttttgt accccacttg tcttctcctt agattccctt tcagttcaaa 60  
tagttgttgt gtatttgtgc ttttatattg atggttcttc taaggttgat ctcttagatt 120  
gggtggaggg aaggttgaga gcacactttt ctatttaccg ggagccaaga gaaattgtct 180



agacggtttg tataacttgg atttatggat gtcctactt atgttg

226

<210> 32528  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893996H1

<400> 32528

tcaagttcca atcggaatcg gaatcggaat ctgaaatgag tagtaggggtt tggtttctac 60  
tattccttct gctgatctcg aaatgccatc aagtgtgggg ctcctacgcg ggttccgcta 120  
gctccatcgt caacccttcc aaggtcaaac agatttcctg gaagccaaga gctttcgttt 180  
atgaaggttt cctcacggat ttggaatgcg accacttgat ctcttttagc 229

<210> 32529  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894001H1

<400> 32529

tagatcacca tgatgcattc atcgcatatc tgaggaagat caatgacctt cccactgcaa 60  
agtcttatgc cacaaggacc atccttttct tgaaagatga tggcacctta aagccattgg 120  
ccatcgaatt aagtttgcca catcctaggg gagatgagtt tggtgccgtt agtagagtcg 180  
tcttgcccgc agaccaaggt gctgaaagta caatttggct aattgccaag gcatatgttg 240  
ttgtcaatga ctc 253

<210> 32530  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700894002H1

<400> 32530

caccattctc acaaaacaac tttcaaactc tgagaaagaa tggctgccaac cacattgatg 60  
agtactgcta tctcagcctt cccatctctc ctttcttctt caaatccag atttgccacc 120

gcagttcctc tttctagctt tgggtgcacc aatgcctctt cttctcgctt ttctatgagt 180  
 gctgactgga tgccaggcca gcctagacct ccttaccttg atgggttcagc acctggtgac 240  
 tttggattcg ac 252

<210> 32531  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894004H1  
 <400> 32531

atattattaa gatgatcaac attattggag cacttggtct actctttgca tttctcttcc 60  
 tcagttgtgt gtatgcacaa gacacaacaa cccttggtgcc tgcaatcata acttttggtg 120  
 attctgctgt ggatgtaggg aacaatgact atcttccac ccttttcaag gctgattacc 180  
 ctccttatgg gagggacttt gttaaccacc aacctactgg gaggttttgc aatggcaaatt 240  
 tagctact 248

<210> 32532  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894005H1  
 <400> 32532

ctgtctctct ctctctctct cgatcaatca tggctttgcc caatcagcaa accgtcgatt 60  
 accctagttt caaactcgtc atcgtcggtg acggtggtac aggaaagaca acgttcgtga 120  
 aaaggcatct taccggtgaa tttgagaaga aatacgaacc gaccattgga gtggaggttc 180  
 acccattgga tttcttcaca aactgtggaa agattcgctt ctactgttgg gatactgccg 240  
 gacaaga 247

<210> 32533  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700894007H1

<400> 32533

tgaacatatc aactggggtg gtgaatgcc aactcacagg cattgtgtac actgataaga 60  
 cacttgccat atatcatgtg gacaagggtc tcattccttt ggacttctct aagccaaagc 120  
 ctatagctcc agcaccagct gtggccaagg ctccctaaagc tgataaggag aactcttcag 180  
 cagaagatga ggaccaggct caggcagcca aggacagctc tgggtgcaaca agttttgtta 240  
 gcattcatgg 250

<210> 32534

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700894008H1

<400> 32534

gacatggtca attggctagg aagttgtcag ctgttgatct cggttgaatt ggggttggag 60  
 ctaccatagg agctggagtg tatattctca ttggaacagt tgctagagag caagcaggac 120  
 cagcacttgt gatatacatt ctcatgtctg gaatagctgc tggactgtca gctttttgct 180  
 atgctgagct tgcattgtcg tgctcgtctg cggggagtgc ttatcattat acatacatat 240  
 gcattggaga 250

<210> 32535

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894009H1

<400> 32535

cagcaciaag cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc 60  
 tccttgccag aagttaaaat ggccaagaa actttcctat tcacatctga atcagtgaac 120  
 gaggggcacc ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcattgctg 180  
 gagcaggacc ctgacagcaa ggttgccctgt gaaacctgca ccaagaccaa catggtgatg 240  
 gttttcggag ag 252

<210> 32536

<211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894010H1

<400> 32536

gttagatgat tcaattctta aaacgattga atcttcttct caacaagagc tgaaggaatc 60  
 cagggacttg atccaacgca ttcgaagaag ggatctatac cagtactgca atgaattttc 120  
 tgttcccaag gaaagactgg accacttcag aagtatcaca cccaagata tcgtttgttc 180  
 ccagactaat ggtgccaatc tgaaagaaga ggatgttggt gtgagctatg ttagaattga 240  
 tttaacaaga g 251

<210> 32537  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894011H1

<400> 32537

ggaaggcaga cagtgccaca acctcatttc tctcaccaca tttgcacttt ggtgaggtga 60  
 gtgtgaagaa agttttccac cttgtccgca tcaagcaagt gttttgggcc aatgaaggaa 120  
 acaaggctgg tgaagagagt gtgaacttgt ttctcaagtc tattggcctc agagagtatt 180  
 cgagatacat tagtttcaac cacccttata gtcatgagag gcccttcta gccacctta 240  
 agtttttccc ttgggtg 257

<210> 32538  
 <211> 210  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894012H1

<400> 32538

ctagatttgg gattccagat gtagatgcct tcttgtaaac atatgctgat gtcaatgaaa 60  
 taatctcagg tgacaaaatg ttgaacatag ttatactata gttgtcgatg atcgttatgg 120  
 atgagtggag tctagcttgg tcatggtcga tgtatgagtc gtgagctcat cgatcacata 180

caaggatagc gtgtcatgtc agatacatga

210

<210> 32539  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894013H1

<400> 32539

gaagaatggt ggctctaaat tgggtctacct aaagatcaaa gccctccacc ttacaagaaa 60  
 ccacatgacc taaagaaggc atggaagggt ggtgttctca ctgcgggtcat caagcatatg 120  
 tcccctgata ttgccaaaat tcgcaagctt gtgaggcagt ctaagtgtct tcaagacaaa 180  
 atgactgcaa aggaaagtgc aacctggctt gccatcatca accaagagga agccttggct 240  
 agaga 245

<210> 32540  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894014H1

<400> 32540

cctcgagccg attcggtctg agggcatagt cagcaactgg gacgatatgg agaagatttg 60  
 gcaacacaca ttttagaatg agctacgtgt tgcccctgaa gaacaccccg tacttcttac 120  
 cgaggcacca ctcaatccca aggccaacag agagaagatg acccaaatta tgtttgagac 180  
 tttcaatgtg cctgccatgt atgttgcaat tcaggctgtc ttgtctctgt atgccagtgg 240  
 acgtacta 248

<210> 32541  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894015H1

<400> 32541

aatcaaggctc tcaacccttc acgtgcttc catcattctc gaccctttcc ctccctctca 60

ggcttacttc aaccaatccc tegtttccgt tattctccct ctccttcagt tcttttcacg 120  
aaccggttcc cctctcatga tgaaccttta cccctactac gtcttcatgc agaacaaagg 180  
tgtgggttcc ctcgacaatg ctctcttcaa acccctcact cctaataagg aaatggtcga 240  
ccccaacacc t 251

<210> 32542  
<211> 267  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700894016H1  
<400> 32542

gaagacccat atcaagtttt atccaattgg ggtacggtga aatcagatcc ttgtaactgg 60  
tttggcgtct tatgcactat ggttcgagat catgtcatca agctaaacat atcaggatca 120  
tcattaaagg ggtttcttgc accagagctg gggcaaatca cctacttgca ggcactaatt 180  
ttgcatggca acaatttcat tggaacaata cctagagagt tgggtgtgtt ggaatctctc 240  
aaggtgttgg atttggaat gaaccaa 267

<210> 32543  
<211> 231  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700894018H1  
<400> 32543

cttccttttc ttcctctacc aaattaactt catcctcata cgaataataa caaataaata 60  
aaaggaggga aaaagaaaaa caaaaaaat ctaatagtta ttttgcttcc gcaccaacag 120  
tttgtgctaa gactttccag tgtgcagctg cagctgggtc aatgattcaa aattgtagtt 180  
ctttgttggg gcattcatca tgtccaaatt gcaattttca gaagatagca c 231

<210> 32544  
<211> 245  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700894019H1

<400> 32544

ggaataccga taatcttgaa gaactcgata gtgttgacaga cattcggcgt cattcaccag 60  
 catccgtgtc aagaggttga gaatgtggtg ataccgcctt acgttttcgcc ggaaagtgtg 120  
 aggagtacgc tggaaaagtt tccggtgacc ggccggcgag acattttttgc ttttttccga 180  
 gggaaaatgg aagtccatcc taaaaatgtc agccgacggt tttacagcaa gcgagtggag 240  
 acgga 245

<210> 32545

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894022H1

<400> 32545

gaaattgatg atgatgttgc tgatgtgggg ctctgaatcc caaggccgat tactgtctat 60  
 cccaacaaaa cctaaccag atgatgctcc tgctctgct cggttggtcg tctccctcaa 120  
 tttctgggga gtcttgaata ctatctcatc tgatttgggt ggagctccct ttgggaatgt 180  
 ggtatcatat agtcatggac tacctaacga aagcactgga atccataact tttacttgac 240  
 aactcta 247

<210> 32546

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894023H1

<400> 32546

cttgaattca catttcaaca accatagcca tggctttctc cttctccaaa gcacttgtcc 60  
 ttgcctgctc cttctgctta tttgcgtctt tggcttttgg acgcgatttc tccattgtgg 120  
 gctattcatc ggaggactta aagtccatgg ataagctcat tgaactcttt gaatcatgga 180  
 tgtcaaaaca tggcaagatt taccaaagca ttgaggagaa gcttcttagg ttcgagattt 240  
 tcaagga 247

<210> 32547

<211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894024H1

<400> 32547

cttaagcttg ctactgagtt tccacactgc ataccttagg tcttccgaat tcgaagttaa 60  
 tttgcaagat ggctaaggaa aaggctcaga tcaacattgt ggtggttggt catgtggacc 120  
 ctgaggaggc aaccaccatt aacgagctga agaagcctgt tgtggagaaa gaagctccag 180  
 ggcattgccat atgagggcat gcacgcacgg cctcggaggg gaaccagaaa attatgttaa 240  
 caaaataat 249

<210> 32548  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700894025H1

<400> 32548

gaaatgcttc agcaacatag tagtctaaag acaatcaaga agaaacttat taggaaagcc 60  
 cttgatatga tccgtaggat tgctgatgag gatcctgatg agtccactga caaagaaaag 120  
 aaagatacgt catctgacaa taatgacgag aaaggccaat attccaagtt ctggaatgag 180  
 tttggtaaat ccattaaact tggatatcatc gaggatgcc acaacagaaa tcgtttggca 240  
 aaactgctca 250

<210> 32549  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893990H1

<400> 32549

ctcattctcc atacctcaac gaagaggtta aagagccggc aacactttgc tgtccgcctt 60  
 gaccgagcag agcttcgtct tggccctcga ttttgcccta aagtactctc agtcacaaca 120  
 gacaccgtcg tcgtcgtcgt cgatcatcaat ggcaccgaag cagaccaagg ctgagaagaa 180



gatcgcttac gatgcgaact gtgcgaccta atggag

216

<210> 32550  
<211> 217  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893949H1

<400> 32550

agaatgatgc ttactttctc tgttttccca tctccaaagg tttcagacac tgttggtgaa 60  
ccctacaatg ctactctctc tgttcaccag cttgttgaaa atgcagacga gtgcatggtg 120  
cttgacaatg aagctttgta tgacatctgc ttccgtaccc tcaagetaac cacccttagc 180  
tttggtgact tgaaccatth gatctcagcg acaatgt 217

<210> 32551  
<211> 219  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893950H1

<400> 32551

caagcccatg ctggcattgc cctcttcgtc tgaaccgca acccctatca gagccatgaa 60  
ctcctccacc tctccgtca ggacctctct ctctccaac ttcgtcgctt cttacactgg 120  
aatctacagc gcctatagcc tcttctccgg ccacaagctc cgactctcct ccctcaatcc 180  
ggggtcgttt cgcggctcca actccaaacg aggcgtcgt 219

<210> 32552  
<211> 219  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893952H1

<400> 32552

ctccctaggt aatttattca atctgtgtga ctaggtaggt gcaattacgg cttgatgagt 60  
gtccttctgc tgtaaagtgc caagtaacga tattaatctc caattttttt taaccctgac 120  
gggttattat tatttttatt ttcttttgtg actgttttct cgggttcac c atgtatttta 180

cttaagttat ttgcatcgta acttattgct accttaaaa

219

<210> 32553  
<211> 223  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893954H1

<400> 32553

cggatctaga gtcttcagtt tctcctcggt gttcttcgct ttctgtttt caatttcgat 60  
tctttcgta atttaataag atgtttggga gggcaccgaa gaagagcgat aatacgaggt 120  
actacgaaat cctcggcgct tccaagaacg ctctcgagga tgatctgaag aaggcttaca 180  
agaaagccgc cattaagaat cccccgaca agggcggtga tcc 223

<210> 32554  
<211> 223  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893955H1

<400> 32554

ggctaccctt gcccagttc gtccatggtt tcgcttagcc tcatctcgct ctagccacc 60  
cccaccccca cccctgcac ctgcccctgc ccaagagcca cgctgccag catttagaac 120  
tgcttcagca ccatcatcac cacagattca gccaaactaa ccagctcccc agcctcaaga 180  
acacccttct tctcaacata acagattctc ctcttcttca ctc 223

<210> 32555  
<211> 216  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893956H1

<400> 32555

cttcttcata ctacatgtgg cactcctaatt tatgttgctc ctgaggtcct taacgataga 60  
ggctatgatg gggtaactgc agacttggtg tcatgtgggg ttattctctt tgtattgggt 120  
gcaggttact tgcctttcga tgaccctaatt cttatgaacc tgtataaaaa aatctcagtt 180

gctgaattta cttgcccccc atggctttct ttcagt

216

<210> 32556  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893957H1

<400> 32556

aacggaatcc cacttaaaag tcgttctcct tcctcttcgc agctgttata tagtactatt 60  
ttcatttcat atgtttatgc acctctatat atacatagac acatgtaaat ggttgcaaag 120  
gaagataaga taggtaccag ctatcacata gtttatttaa tccgttatat gccacctgat 180  
atataggcat attagctagt taggtaggta tagtagttta agtt 224

<210> 32557  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893958H1

<400> 32557

ctcgagccgt tttctctctg caactctccc ttttcttctc tcgtagatcg aaagggaatc 60  
accttccatg gcctccaagc ggattctgaa ggagcttaag gacctccaga aagaccctcc 120  
aacctcttgc agcgccggtc ctgtagcgga agatatgttt cattggcaag cgactataat 180  
gggtccccct gatagccctt atgctggggg tgtttttcta gtta 224

<210> 32558  
<211> 223  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893960H1

<400> 32558

caggtctaata tcttcttcca ctgccctcaa gtgcgcgttt tcaaaaaaat tcatcactgg 60  
taaagtgtag cagttattta gttggctgac cgaaaccatt tatagtttct acggagcaca 120  
atgttggtcc atgaaacttc tgcaatcaat gctcttcgaa aattgcaaca aaaatacata 180

caacggaact catccaattt caatggttgc gagagctaac gga

223

<210> 32559  
<211> 228  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893962H1

<400> 32559

agaacacact ctcacatatt attagctttt agctctctct ctctctctct cagtccttct 60  
tcttcgcca gccaacatga gctcaatcgt tcagggtttc accaagtcgc tggccatgac 120  
cattctctct gagatcggcg aaaaaacttt ttttgagct gcgatactgg ctatgcgaca 180  
cccaagacgc ctagtcttat caggttgctt atcggctttg attgtgat 228

<210> 32560  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893963H1

<400> 32560

tatagcccaa gccctataca accaaaccct aacacacacc catttgattc agtttccatg 60  
gctagcctca aggttgcat tttggctgca gtgctctgca tggttgtggt gagtgcaccc 120  
atggcacatg cagctatcac gtgcgggcag gtgacgaata gcctgatcaa ttgcatcggt 180  
tacctccaga acggaggaac gccgccgtcg ggatgctgca acggagtga 230

<210> 32561  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893964H1

<400> 32561

caatactatt ttcttgtcgt tgagaagctt cgccaacgaa agcaaagaac cctagaccgt 60  
cacagaacca ttccatagcc atgtctggtg ttggccctct ttctcaggat tgggaacctg 120  
tcgtcctccg caagaaggct cccaccgccg ccgccaagaa ggacgagaaa gccgtcaacg 180

ccgccccgccc ctctggcgcc gaaatcgaaa ccctaaaaaa gtataatgct ggga 234

<210> 32562  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893966H1

<400> 32562

agcagccaca cctcccgag cagccatggt tctcaaaact gaactatgcc gattcagtgg 60

tgccaagatc taccaggaagg agggcatcag atttggtcgt ggtgattctc aggttttcct 120

gtttgcaaac tcaaaatgta agaggtatct ccacaatcgc ctgaagcctt caaagctcac 180

ctggactgca atgtacagaa agcaacacaa aaagga 216

<210> 32563  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893967H1

<400> 32563

cagatagggc acgtctctcg cggcctcttc tctccctcgc gccgcccaca ctaaaagggtt 60

attgctctat tattgtttga cgatggctga tgctcatggg actgataaga acattgaggt 120

gtggaaaatc aagaaattga tcaaagctct tgaggctgcc agaggaaatg ggacaagtat 180

gatttcctt atcatgcctc cacgtgatca aatata 216

<210> 32564  
 <211> 218  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893969H1

<400> 32564

caggaggagc actagctaag ttcacaatct caaaatggct aggggactaa agaagcattt 60

gaaaaggctc aatgctccta agcattggat gcttgacaaa ctgggtggtg catttgcgcc 120

taaaccctca tctggaccac acaaatcgag ggagtgcctc cccctcattc ttattctgcg 180

aaaccggctg aagtatgctc tgacataccg tgaagtca

218

<210> 32565  
<211> 219  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893971H1

<400> 32565

cggctcgagc tcgagccgaa tcggctcgag tgccaaaatt tggcagctac attttggagg 60  
tgcacgaaca cctactgaag ctgatgatga agccgatgat ccaggtgctc ttgctgctgt 120  
tggttggttg cgtgctatta gcactttact tgaatcagtg agcagtcttc ctcaactctt 180  
tgttcatctt gagccagcct tgctaccat aatgcgtag 219

<210> 32566  
<211> 221  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893973H1

<400> 32566

ctgggggttag ggtttcctct gcgtcgatgg cttcgaattc gatcgacggc gacgccgtta 60  
cggggtcggg actgtgcata aacgacgtgt taagggacga cgagctgcgt tccattctgg 120  
ggcgagtgga gagcgagaag gacaaggaaa cgttcgggtt ggtctgcaag cgatggcttc 180  
ggttgacagag cacggaaaagg aagaaactcg ccgcacgtgc g 221

<210> 32567  
<211> 221  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893974H1

<400> 32567

caaaaagtca aatgtccaaa gtcagctgg ccctaaacct gataaagtgc aactgattga 60  
gcataggcga gcatataatt gtgaaatcat gctttcaaaa gtgaaagtgc cattgcatga 120  
tttaatgagc tcagtgttag cactggagga gtcagcactc gacactgatc aggttgagaa 180

cctcataaag ttttgccta caaaagagga gatggaatta c

221

<210> 32568

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700893975H1

<400> 32568

cctcctcaca caacacaaac accaaatcaa acatggccac cacttttctt tctctcctct 60

tcctcatctt ctctctcttc accccagccc tcatttcctc ttcccctgtc caagaccctg 120

aatttggtggc ccaagaagtt aacaggaaaa tcaatgcttc cgtagctaga aggaatttgg 180

ggtacttggtc ctgtgcgaca gggaacccca ttgacgattg tt 222

<210> 32569

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700893976H1

<400> 32569

ctcaaacatt aagaaaagct tatgcctcag ccacgcttc tactcgctag agcgtaagca 60

tgggcactca gagaagcaaa cccagttgta ccacgcttc gatctttcta gcattttgtt 120

gttttgcttc ttcttcgaaa gcaaagcttg agagtctcca acatgcgccc aaagctgatg 180

ggtctctaag cttcttggtg gttggagact ggggtagaaa 220

<210> 32570

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700893978H1

<400> 32570

ctctcatctg agaatccaaa cctcctccta atttaagtgg tgggtcagct actatggctt 60

cgtctctggt actagcgggtg gtgtttgtgc ttgatctggt tgcttttgct ctgcgtgttg 120

ctgcagagca gagaaggaat actgcctcgt taaataaaga cagtgcaggt agaaactact 180

gtcaatatga ctcagacatt gcaaccggcc taggtgtggg gt

222

<210> 32571  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893980H1

<400> 32571

ggcaaaagga atccagtttt tgcatacagg gattgtccct ggtgtatatt ccaatgatct 60  
gaagatagaa gatgttttat tggatcagaa tcttggtgca aaaatcagca gttaccacct 120  
gcctttgtta tctaactgga gaaagggtcg gtgtggaaat tcttccagtg gattaagaaa 180  
ttctagcaat agtaaaagtg taaagcatga agataaggct gatataatcg 230

<210> 32572  
<211> 215  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893981H1

<400> 32572

actcaagtta gatttgccag atgacaaggc aaagcagaag gccctgaaaa cagtttcaac 60  
actttcaggg attgatgcca tctctatgga catgaaggag aagaaattaa cagtgatagg 120  
aacagttgat ccagtgaatg ttgtgagcaa actccgcaag tattggcaga cagacatact 180  
ctcagtaggt ccagcaaagg agccccgagaa gaaag 215

<210> 32573  
<211> 215  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893982H1

<400> 32573

gataatccac gaaaaggaag cagagaaaac taaccagcaa gagctctcac atgaaaacca 60  
cgaggctgag atcaagcaat tgatgaagac catgactttc aaagccactc caatgccaag 120  
tttctacaag gaacctcttc cataagtcca cttgaagacg ataactataa cgagctcaga 180



atctccaaag cttcctatgc acgaacgatc tgctg

215

<210> 32574  
 <211> 87  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893985H1

<400> 32574

gcgaagagaa tggctcccaa gggtttaatc tttttggctg tggtatgctt ctcagcagct 60

gtcacttgca gtcgttgtag ttgcgga 87

<210> 32575  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893986H1

<400> 32575

aagctgttga tcttttgatg gaggttgaag atctggatat gttgagtgga catgttgaca 60

aaacaaattt taaaaggact tgcctatatc tcaccagttc tgcaagatac ctcccaggac 120

cagatgatat gctagttttg gacattgcat attcaattta caaacaattt gaagaatata 180

caaatgcact ccaaattgca ttgttcattg ataattcgc 219

<210> 32576  
 <211> 220  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893987H1

<400> 32576

ccctttctct caattttcat tcaacaccat ggccacaaca ancaagtcca ttttcttcac 60

cttcttatta tgctcttggg tggacgtagt agtagcccaa gaggtagcaa ttgcaaaatc 120

cgaaagtga gcatagggg aaccggaatt agaaaaaaga gaaacacttg aaatcatcat 180

tggtggtggt ggtggtggtg gttaccctgc tccttctcct 220

<210> 32577  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893988H1

<400> 32577

ctcagagccgc tcgagccgca tttttattgg ccggttctcc ccacaatcca tgtttttata 60  
 tacttggcct tcgccttgcc ctccaatttt ttataaccat ctcagttcgt gagagtcttc 120  
 ttgggctccc aaagagtcca tctggtggaa taaggaaaca gctttcacag ctattgggtg 180  
 ctctaagaaa gcctgaaatc tcatattcaa tatcatgggt ta 222

<210> 32578  
 <211> 79  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893989H1

<400> 32578

gttttataaa tataacctatg ctccaatcac aattactttt gctaagcttg gcttggtgaa 60  
 aactaagcag ttctgaggt. 79

<210> 32579  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893948H1

<400> 32579

aatgtgataa gttatggtgg gagtgtgaac atctcaacag gtgagggttaa caccaccatc 60  
 actggcattg tatatactga taagcatctt gctatatata aggtggggaa ggtgcttctt 120  
 cctatggatt tctttgctgt ggccaaggca ccagcaaagg caccttctct ggcaccagaa 180  
 ccttcagcaa aggctcctaa agctgataag gatccattat cccagatac ctca 234

<210> 32580  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893911H1

<400> 32580

agctacacca gtcaagcttt gagccagaac ctacaaggac taagggcgag aagtcgata 60  
 cgtaggatga gccgcagaat gctgtactac ttgcaagaaa attggcggag actttgggtt 120  
 ttagcattgt ggatttcgc tatgattgga ctgtttacct ggaagttcat cgagtacaag 180  
 agaaaaaatg cttatcatat catgggtaac tgtctactag cggccaaag 229

<210> 32581

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893912H1

<400> 32581

ggaacacccc ttttgccat tccagctttat ctactcttc aactgtgtct ctgataaggt 60  
 tcagcccttc ctttgctctc tatgccattc ccgcaggatg ggcaagtga agggttgtgg 120  
 aaagttagga agaatgaggc caagtcatat gagcgcgtat gaattttctc tgatgctggc 180  
 tcctgttgtt tctgtttggg attgcatagt tcgcaaaatg aggtactcct a 231

<210> 32582

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893913H1

<400> 32582

ctgcatcgga agaaacccta gccactctcc cggcgtcacg atgcagatct tcgtgaaaac 60  
 cctaacgggt aaaacgatca cggttgaggt ggagtcttcg gacaccatcg acaacgtgaa 120  
 ggccaagatc caggacaagg aaggcatccc tccggaccag cagcgcctca tcttcgccgg 180  
 gaagcagctg gaggacggcc gcaccctcgc cgactacaac atccagaagg agt 233

<210> 32583

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 700893915H1

<400> 32583

ctaacgagta aggaaaaatg ggcgtaaga agatcagaga gtatgactca aagaggttgt 60  
tgaaggagca ctttaagaga ctttctggca aggagttgcc gatcaagtct gcacaaatta 120  
ctgcatcaac tgatttact gagctacaag aggaaggaac cctgggcttt catcttccaa 180  
aatggttttg gaacctgaca tggatatttg aa 212

<210> 32584

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700893916H1

<400> 32584

ctttctctct tctctctctg tccgaagatg gcttcacgca ggttcgtatc ttctctgatt 60  
cgatcctccc ttcgtagatc tcaatcgaac ccctcgattt ccgcatcaga ttcgagtaca 120  
cacgtcatcc aaccgtgctt ctccgcacgg ttacttgctg aaacgcgtcg ccgaatagc 179

<210> 32585

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893917H1

<400> 32585

cttttaggttg ggatttggga attaggggta ttcgcgtggc gaagatgatt gaggtgggtt 60  
tgaacgatcg attggggaag aaggtgcgcg tgaagtgcaa cgaccgatga taccatcggc 120  
gacctgaaga agcttgtggc ggctcagact ggcacaagag ccgacaagat ccgcatccag 180  
aagtgtgaca ccatctacaa ggatcacatc actctcaagg atta 224

<210> 32586

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700893918H1

<400> 32586

acagaagtaa tcttgaagac ttatctgcag tttctcctaa tgtgattttg gtgaatgctt 60  
 ttttatcatt cagaaaggca ataacaaact aaaatcaaag cataactaca cccatagcat 120  
 cagctagaag aagaggggtgt aacagagggg gacatatatc ccaagtacat aaagcgattt 180  
 ctgaacctgc tacacacttt gctagtcaat ctgcacaagc a 221

<210> 32587

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700893920H1

<400> 32587

aattcccacc gcaaggtaaa aaaaaaaaaa aaaaccagtg gtgcgcgatg ccaccgaagt 60  
 tcgatccctt gcaggtggtg gacgtgttcg tccgattcac cggcggcgag gtcggcgcg 120  
 cgatttcctt cgctccaaag atcgggtccat tgggtctctc cccaaagaag atcggagaag 180  
 acattgcgaa ggaaaccgag aaggactgga agggcctccg cgtga 225

<210> 32588

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893921H1

<400> 32588

gcagcaggtt ggcattgtaa tagtattcca ggtgctgaca atgtgaggcc aaatgggaag 60  
 ttactacaaa ctcaaagcat aagaagtgtg agtccaaatc atttgagca atttgggtcaa 120  
 actccttata aagaatattc tcatttcctt ggaccagcag actactcatt tgctggagt 180  
 ggtggttatt gcaagccaat ggggtgcatc tcatccctc cacta 226

<210> 32589

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893922H1

<400> 32589  
 cttaaagacc aatgggtaac gatggctctg atgggcggtt ttgctagaat aaacaataat 60  
 gagatcactg ttttagtaaa tgatgcggaa aagggtagt acattgatcc acaagaagca 120  
 cagcaaactc ttgaaatagc agaagctaata ttgaataagg cggaaggcaa gagacaaaca 180  
 attgaggcaa atctagctct tagacgagct aggacacgag tagaggc 227

<210> 32590  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893923H1

<400> 32590  
 cgtcgtcgtt atcttcttct cttgttgtct gtgtgtttgt tttttctctc acctgaaaat 60  
 gtcttgctgc ggtggttaact gtgggtgcgg aagcgctgc aagtgcggca acggctgcgg 120  
 aggctgcaag atgtaccag acttgagcta caccgagtc accaccaccg agaccttgg 180  
 catgggagtgc gcaccagtta aggetcaatt cgagagtgc gaaa 224

<210> 32591  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893925H1

<400> 32591  
 atttccactc gcaaaccctc ccatttaaca gtcagagcct ccgctgcctc catcaccaccg 60  
 gcgcaggctc cgttacagcc atggcaagge gctgccataa aaccgctaata agcctccatc 120  
 gcgacgggag taatcctctg gttctcaccg gttcccgccg gcgtgaaccg caacgcgtgg 180  
 caactactcg cgattttcct aggcacaatc gtcggcatta taacgcaac 229

<210> 32592  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893926H1

<400> 32592

taaaaatgga gttaaaattg tgaaacatgt caaagggggg ttgaatccaa gtcacctcca 60

tcagttagac ttcaataacc cctacattgg agaagtggcc aaaattggac tagtggttgc 120

tgtcgttgcc cttactgagt ctattgctgt tgggcgatcc tttgcatcca tcaaaggata 180

ccaacttgat ggaaacaagg agatgatgtc aataggtttg acaaac 226

<210> 32593

<211> 193

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893928H1

<400> 32593

ggggatatcg ttaaatacaca agatctcgag agcggaagta gttctgcaga caatgtcgaa 60

tctggaactg cagtttttct cgtggagctt gaggaaaaaa gagctattaa ggtttttggg 120

aagagcactt tgattggatt ggctctaaca ttctttgctg gactttgctt ctctatgntc 180

tcaccagcat tca 193

<210> 32594

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893929H1

<400> 32594

gagtgatctc agtgagtgat cgggtgtcac ttgatctcat cataatcgtc agcgtcaatt 60

gaagaagatg ccgatcagaa acatcgccgt cggaaggcct gaagaggcga ctcaccccga 120

cacgttgaag gcggcttttg ctgagttcat ctcaaccttc atcttcgtgt tcgccggctc 180

aggctccggc atcgcttaca acaagctcac cgacaacggc gctgcc 226

<210> 32595

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893930H1

<400> 32595

cgaaaagggtt cacctgcaaa atatcgtcac gaggagttct ctctgaaag ggtgtcaggt 60  
catccagctt ctgaacatca ttatgataac aatgattgga gtaagaaagg ccaggagata 120  
atgcgtgata aatcttctgg aaagggcaat gaatttctctg ctcaaaagtc atcaatgaac 180  
aaagaaactt tttccaggga gaagcctcaa gaatcttatg ctgtagatat ta 232

<210> 32596

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700893933H1

<400> 32596

gcgttcgatt cgtttctatc tctctctctc tctgtcatgg gttcgctcga ggcaccaacc 60  
gccgcggaaa acggctccgc tcccgcgcgc ggcaacggaa aatcccactc catcaacggc 120  
gcggaggcgg cgccggagcc cgacgcgtcg aagcggcgca gatcgtcggt gctcccgttg 180  
gaggtgggta cgcgcgtcat gtgccgttgg agggacaaca a 221

<210> 32597

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700893934H1

<400> 32597

atctcatcaa cctcaatctc tcagaatcca cagaaaagat cgttgctgag tacatatggg 60  
ttggtggatc tggatggac ctcaagaagca aagccaggac tcttctctggg ccagtgagtg 120  
accctgcaaa gcttccaaag tggaactacg atggctctag cacagaccaa gctccagggg 180  
atgacagtga agtcaccta taccacaag ctattttcaa 220

<210> 32598

<211> 221

<212> DNA

<213> Glycine max

09531113-032200



<223> Clone ID: 700893936H1

<400> 32598

gtctttttctc aaaacttcat ttaccaactt ctctctctct ctctctctct ctcaatagca 60  
cagctaggat caagtgaaaa ctgattgttt tccattgagt ctgatttagt tcttagcttc 120  
tgcttcgatg ccttcaatca tgtcacctca gtggcaagat aaggctgctg gtttcttttc 180  
ttctccggg gtgaagctta aagaagccaa ggaatcagca g 221

<210> 32599

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700893938H1

<400> 32599

cctcgagtcc ctcaggccca ttagggagga cgaggtcacc accatgggtg agtccgttta 60  
caatcactgc accaccactg gatatttatg gaaagcaata ttggtgagga agcacttggg 120  
gtctgtggca ttcaacaaca tcaccagggtt ggcatttgga aaaagatttg tgaactcaga 180  
aggtgttatg gatgagcaag gagtagaatt caaggccatt gtgga 225

<210> 32600

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893939H1

<400> 32600

ctcagttttt gcaccgtttc tccgatactc tcttctctct aaaggtaaatt ccctcttcac 60  
tcacaaaatc agatttttag tgcttttagt ttagaatttt tcagatatgc cccaatgtct 120  
atgaacaaca acaacaacag caacccccat ggaccctctt cctccggggc agtaccctct 180  
ttcccaggcc cacgggtca cactcaacct gaacgcaaaa cgtttc 226

<210> 32601

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700893940H1

<400> 32601

ctttaagata gaccgtaaaa gccttctcta gcatgagttt tttatttcac aagttgttaa 60  
aggagaacat tagtcttact gtaatcatatc tatcccttgg aattttgccg taccatatca 120  
gtcttaacac aatgttcaag ttcctagaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
cggacgcagc acgatgagat cccaagtgca ccct 214

<210> 32602

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893941H1

<400> 32602

caatgacgaa attgctgctg acctcaaaga gcatgtgatc aagcctgtga tcccagagaa 60  
gtaccttgat gagatgacca ttttccactt gaacccttca ggccgttttg tcattgggtg 120  
ccctcatggc gatgctggtc tcaccggccg caagatcatt atcgatactt atggaggatg 180  
gggtgctcat ggtggtggtg ctttctccgg gaaggacctt acca 224

<210> 32603

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 700893944H1

<400> 32603

aaaaagagta aagaatttgc tttgcgagga agtaagtagg agatgctctg aactttcaaa 60  
tttgtacaac ccctaggaag agaagcagaa ggttcaaaat ccaatccatt tttcatttcg 120  
aaagatcgtg atcgcaatgt ccctctccac cgtgaagcag cggcgctcgg agccgtctga 180  
tccgtcgcca tcagatccgt acacgaagct gg 212

<210> 32604

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700893945H1

<400> 32604

gtttgttggt gtaactcggt cttcttcttt tgttgttctg tgtttgtggt tgttttttct 60  
ctcacctgaa aatgtcttgc tgcgttggtg actgtgggtg cggaagctcc tgcaagtgcg 120  
gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180  
ccgagacctt ggtcatggga gtggcactgt taaggctcaa ttt 223

<210> 32605

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893946H1

<400> 32605

atcaacgata cctcttctgt gccacttcc aaatcttctc ctctcgctat gggttgcggc 60  
tcttcccttc cagatagggg ctcaaggcag ttgggtcgac ccaattcaga gaatgggtgga 120  
gggcaggacg ccaagaatct gaggggtcaag cttgttctct taggtgattc tgggtgttggt 180  
aaaagctgta ttgttctacg atttgttcgt ggtcagtttg atccaacat 229

<210> 32606

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893947H1

<400> 32606

tgaggaaaca ttatttggca cacgttagcc tgcgacacat gttgagaaac gagttgcctg 60  
tgtttgaaac ttgatgttaa agtgtgaagg gacaaggaaa catagagtct cgttggttca 120  
atacacttgt gcaatttggc cactatgaac acagggcttg ctgcaggtgc agccttgctt 180  
gcactcttgg ctatcacctt ctccttggtg agccctcaaa ccctgttttc 230

<210> 32607

<211> 230

<212> DNA

<213> Glycine max

002230-033200

<223> Clone ID: 700893909H1

<400> 32607

gtacttgtaa ttggttcttt gatatttttc caatccaatt gaatggggaa gccaagagga 60  
gaagcgattc tttgtttttt atttttcttc tggttttgga gctcttcgaa tgctttgccg 120  
tctccaaagg gtgtgaactt tgaagtgcga gctttaatgg gcataaaaagc ttctcttggtg 180  
gatcctcatg gtattctaga taattgggat ggggatgcag ttgatccatg 230

<210> 32608

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893874H1

<400> 32608

attccaggca aaattttcgt tcgcaaactg acttttggct gtaaccaaac atgccaccaa 60  
aatgagttta ctctccaaac tgtgtttgga ttactccaaa cggaataacca aacataccct 120  
aaaacctttt gcaactaagc gtgtttttat acctttcaat agagtgatct gtcttttgac 180  
tatgtaaacc cacttgctac caattgggat cacagccgca cgtttttcta tgatca 236

<210> 32609

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893875H1

<400> 32609

cttacagtct cgaaggctaa agcaacttcc cttaattctt tgcacgaaga ccctgaagta 60  
atgggattct cagagcagtt tggagatctt gcaaaagagg ggaatgtagc catatctcca 120  
atggaaatac aagcctacag attggaattg aggccacaac cacaatagaa cactcattgc 180  
cgagttgctg ctgctgattt taagctgaac cagcagggat tcttgattg att 233

<210> 32610

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893876H1

<400> 32610

gtctttcctt tatcttgtca ctggtaacat ggagaaactg tccaagatgt tgaaaattgc 60  
tgaagtcaag aatgatgtga tgggccagtt tcacaatgcc ctatatatgg gtgatgttcg 120  
agaacgtgtc aagatattgg aaaatgtggg ccatttgcca ctgtgcttac atcactgcat 180  
cagtccatgg gctacatgat gttgcagagc ggcttgcaac tgaactggga gataa 235

<210> 32611

<211> 229

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893877H1

<400> 32611

gaaattctca gatgaaagtt ccttaattaa aacaaccttt ttgcctaggt tggaggacct 60  
tcttggcctg ttgcattagg ccgaagagat gcaacaaaag ccaatcggat ggaagctaatt 120  
caacaaattc cttcacggtt cgaactgctn agataacatc attgcaaagt ttacttcaaa 180  
gggtcttaac ttgagagatg ttgtagccct ttcaggggca catacaatt 229

<210> 32612

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893878H1

<400> 32612

tgttttttga cggatatgga tatcatggga catcatttga gcagatatat cgatgctacc 60  
cagcttcctt tattgaaaag ccccaaattg aaagtgggtga caaaattatc atgcctccat 120  
cagcccttga ccgtctagca tctctgcata ttgattaccc aatgttggtt gaactccgta 180  
atgatgctgc cgagcggggt tctcattgtg gggttctgga gttcattgct gaggaagg 238

<210> 32613

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893879H1

<400> 32613

gcagaaagca agctcatcct agagttttta acatggcagc agcctcctcc atggctctct 60  
 cttccccatc cttggctggc aaggccgtga agctgggccc atcagccccc gaagtcggga 120  
 gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagcgcc 180  
 cagaccgct caagtacttg ggcccattct ctggcgagcc cccgtcctac ctactggcg 240

<210> 32614

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893881H1

<400> 32614

ctagaaaact ggttcttctt ttcgcgttgc gttttcttgg tgtctctgtc gattcttctt 60  
 ctgaatttta atacttagga agtttagttt tctctcttgg cttctccggt tggagtttcc 120  
 ggcgaccttg tcggagattt tggtgtttat ttttcacacc acttgtagaa cttctcaaga 180  
 aaaagaaaaa ggatgtttct tggtgattgg ttctatggaa ttttggcgac c 231

<210> 32615

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893883H1

<400> 32615

cagcatttct ttttgccaat aacatgggtct aagtttgtga tcattatatg cttcagaatc 60  
 ttcgcctgag ctttctgccg agcacaacct gggagttctt ttggttcatt gtttttattt 120  
 ctatggaagc aaattgaaca cctcagatgt tggcatgtct tgtaatggga caggcacctt 180  
 tttgtgcaga gtagtgaagg gcaccagaga atgacattgg gaagaact 228

<210> 32616

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893884H1

<400> 32616

attgggatga tactatcaaa caatgaagac tatggggaag agttagttgc tgactcctat 60  
ctcctccctg cagcagcttt gggccagaaa tcaagcaatg agttaagaa gtatgttttc 120  
tcatctccca atcccacagc taagcttga tttggtggca cccaattagg ggttcaacca 180  
tccccagtgg tggcagcttt cagctcaaga gggccaaatg tgctcacacc a 231

<210> 32617

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700893886H1

<400> 32617

ggtgaagttg gtttcgtcga cgaaattgat tggaacaagt ttttctatgc aattcatccg 60  
ggtggggctg ttattgtg 78

<210> 32618

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893887H1

<400> 32618

gtcttcaggt ttggttcag tcacggcaca cgccccggct gagaaagggg tgtctggatt 60  
tttgttgat ttctgatgg gcggagtgtc ggcggctgtg tccaagacag ctgcggctcc 120  
aatcgaacga gttaagttgc tcatccaaaa ccaggatgaa atgatcaaga gtggtcgggt 180  
gtctgaacca taaaaggaa ttggcgattg tttcactoga accatgaagg a 231

<210> 32619

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893888H1

<400> 32619

0053113.032200





gcaacaacag cagagttccc ttcggctgcc tcaacaaagg caaatgcac cgcagatgca 60  
gcagatgatt cattcccaaa atatggcttt tcatcagcag caacatcaac aacaacagca 120  
gcagtttgag agattgcgaa ggcgtgcagc agcagctact cctcgccctg ctatggatat 180  
agataaagaa agaccattgg ttcaagtcaa gattgaaaac caagacttac cact 234

<210> 32623  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893892H1

<400> 32623

gcaaaatgct gcagatgcat ctctgcctct gaatatatat aaatatatct tcaactgctat 60  
gccgaaaaac ctttgatccc accagccacc actctctctc tccgatggcc actgttactt 120  
cttctttctc tttctccact ctcaactcaat cttcttcgcc gaggaacctc tccacactct 180  
cttccaattc accaactttt cgcacccgcg ttggtttctc ctgtcactat gttgg 235

<210> 32624  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893893H1

<400> 32624

gcatactatg ggatgagcac aaatcttggtg acttatttca atactaaact aaatcagtct 60  
ggctcctactg cttccaagaa taatgcaaact tgggggtggaa catgctacat cactccgttg 120  
attggagcat ttgtggctga tgcctatctt ggaagatctc ttaccatcct ttgtttttcc 180  
atagtttatg ttattggaat gacactcttg acactgtctg cttcagttcc aggca 235

<210> 32625  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893895H1

<400> 32625

gtatcatgca gtgtcttgga gccatctgtg gggctggtgt ggtgaaggga tttagaggca 60  
 atgctaggta tgagatgttc aaagggtggag ccaattttgt gaattctgga tacaccaagg 120  
 gtgatggact tggagctgag attggtggca cttttgttct tgtctacacc gttttctctg 180  
 ccactgatgc caagagaaac gctagagact cacacgttcc tattttggct ccac 234

<210> 32626  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893896H1

<400> 32626

cggtctgagg aaacagtgtt ggtgttggtca cacagaataa taggagtagt gtaagctact 60  
 tggagttcag aaagaagaga ttgaatgcaa gtaacttctg ctgcaataag agccatgctt 120  
 ctatattctg cctcagtact agaccttgca acaactgatt gcttcttaga ccaccaagag 180  
 atgagttcag gtccaagaaa aatagcaggt ccaggggtag acctcctatc atcaggat 238

<210> 32627  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893901H1

<400> 32627

gtcggggaac attattgtgg gcaagagaat gaataggggc ttgagctctc cctcttgcat 60  
 gatgattcag ccgtggagga cacgtcttga tcaatgcttg agggagagtt caagctctta 120  
 ttcatctctt gtcccacaat aatgttctct gtcttctaata atcaaatttt tttaagtcct 180  
 ttatagcttc tcttgattca ctaaggcatt gt 212

<210> 32628  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893902H1

<400> 32628

gtgctgttat cctacttcag ggtctgtgta gtcattgcagt ctgaatcatg tccagttcct 60  
gtcatagtta ttaacagcca tggttgtggc attctataaa aaaaaaaaaa aaaaaaaaaa 120  
aaaaaaaaaa agggggggccc cccccctagg ggcccccccc ccccgggatt tattccccgc 180  
ccggaccccc gggggggcacc actttcccca aagggggggc gttt 224

<210> 32629  
<211> 230  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893903H1  
<400> 32629

tgaagtccgc tctacgcaca tccacgaaaa ggaagcagag aaaactaacc agcaagagat 60  
atcacaggaa aaccaggagg ctgagatcaa gcaattgagg aagaccatga ctttcaaagc 120  
cactccaatg ccaagtttct acaaggaacc tcctccaaaa gttgaattga agacgataac 180  
tataacgcgc tcagaatctc caaagcttgg taggcacgca cgatctgctg 220

<210> 32630  
<211> 226  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893904H1  
<400> 32630

cttccaatcc ttccaaccac cactattgga tccttcagtc agactgtata attgaggagg 60  
gtacgacgtg agttcaatgc taacaagatc agagaggaag tgtatgataa gtcaattaag 120  
gaggaaattc gcaaagttgt tgaacttcaa gaagagcttg atattgatgt tcttgttcat 180  
ggagaaccag agagaaatga tatggttgag tacttcgggtg agcaat 226

<210> 32631  
<211> 229  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893905H1  
<400> 32631

ccggaactca gaagagaact taggggagat aatgatgatc acagaagatg aaacgactct 60  
 tacagcaagc aaagaacaac aaagtgaaat gatgaacgga gacgaggaca atcatggaag 120  
 cgaagatgac aactccaaag agtggttgaa cctgagcata ggtggaacta ctactttact 180  
 ctcaacagct gtaccaccag ccactgccaa agttttttca tgcaacttc 229

<210> 32632  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893906H1

<400> 32632

gttaaagcaa aaaccaaagt gagagagcaa atgatgaagc catcgatgct cagatctctt 60  
 cactctgccg ccacccgcgg cgctcccccac ctctcccgcc gtggctacgc ctccgagccg 120  
 gtgccggagc gcaaggtggc cgttctaggt gccgccggcg ggatcgggca acccctctcc 180  
 cttctcatga agtcaaccc cctcgtttcc agcctctccc tct 223

<210> 32633  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893907H1

<400> 32633

aaccaagctt ctctgttaaa aaaaaattag gcgtctaaag ggccaaagct tagaaagttg 60  
 aagctttttt tggtgaggtg aaagtgaaat ggttggaag gataatctga gggctgagga 120  
 cttgaacttg tgctttaaga agcttatgat ggtggccggg aatggggaca atgagaaagg 180  
 gtgaacttga aggttggggg gatcaccgag tggaaggata ttcctgtggg 230

<210> 32634  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893908H1

<400> 32634

gaagattgaa tctgaagatt ctggtacttt aagagatggt gtgactttgt ctggtgagaa 60  
aactaatgtg gaagattcac caggaagaat tcctgatgct gaaaatgaag cagagttgtc 120  
atttgctggt gtaaattgatt cttttgatgt tcagagggta caatctggca atgatatcgt 180  
cgaggttgaa gctgaccatg aaccttcagt tgaaaacctg aacaatggtg ac 232

<210> 32635  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893873H1

<400> 32635

gttgttttgt gtgtgcaatc ctcattacca ttgccgccgc caccaccacc gcctatcacc 60  
ctctcatcca ccaactgata cccgtaactt cttcaccttc ctctccttcc ccaatttaaa 120  
actaaataaa aaaactgtcc actaagggtg aggcacgtca ccatctcgtc cttcccctcg 180  
ctcatctcaa atccatgggt cggaattagg gtttccattt ggatttcgca attct 235

<210> 32636  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893837H1

<400> 32636

tggggacctg tgcaatatgc ctttacacaa tgaaaccagg gcagggacat gccattttta 60  
ctgcagaatg ttctcactct ttccatttcc attgcatcac ttctaattgtg aaacatggga 120  
accagatttg cctgtctgac agagcaaaat ggaaagaagt tccttttcag agtctgctt 180  
caaatatgcc ctatgatcga ctcaaccaag tatctcctcg ggaagaaggc tgggcgactg 240  
t 241

<210> 32637  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893838H1

<400> 32637

cgggtgacta gtgcgtaccc tagcaggaag tggattacaa gtattctggt atcgttattc 60  
 ctctttcttct tcttattgct ccaccctgcc tgggtggaccc aaacgaagaa gacgttcggt 120  
 ttccctctg cttttcgaac tttccatcga ctccaccatg ctattcaatt aggggttagga 180  
 attagggctt cttcttggtt cgctccgtta atttcaacaa cggccaagcc gggtgttt 238

<210> 32638

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893840H1

<400> 32638

gagctgcaga ggttttgatg ttgaaacccc taatcatata tcacttgaag aattttttct 60  
 tgggtgaagac tgaaaaggat aggggaagagg ctatggatcc tgggagtatt ggtttcaaca 120  
 ctggagaacc tcgaatacaa ttgtactttt tgctgggtct agtctatgct tcagttacac 180  
 ctactgttct tcctttcata atagttttct ttgggctcgc ctatgttgtg ttccgtc 237

<210> 32639

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893841H1

<400> 32639

tggcatcaaa gtctctgaca tccgatcaat taatcgattt tgtgagcctc ctgaaaaaag 60  
 gctgatgtgt gacttgctct ggagtgatcc acaacctctc cctagcacgg gaccaagcaa 120  
 gcgtagtgta agcctttctt ttcgtgcagc tgttacaaaa aggtttttgc aggtaaataa 180  
 tttagctttc gttgtgcgct ctcatgaagt aaaggccgag gggtatgaga ttgaacatg 239

<210> 32640

<211> 129

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893843H1

<400> 32640

cggctcgaga gttaagttac tttctcgttc gttccctctc aaccaaaacc gacnacttca 60  
tggtatcatt gctatgaccc ttcaagcttt tcatggctct gcatgttggt tccgttccca 120  
ccttcttca 129

<210> 32641

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 700893844H1

<400> 32641

gctcgggaatt cgaggcgaga tgaagggggc gaaagggcgt atcctgggtg gtaaatacga 60  
gttgggaaaa acaattggag agggaagctt tgccaagggtg aagttcgcca ggaacgtcca 120  
gaacgataac tatgtcgcca tcaaaatcct cgaccgtaaa catgtcctcc gcctcaacat 180  
g 181

<210> 32642

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700893845H1

<400> 32642

aagaaatgga ggcaaatcgt gacttatgtg aagcatcgat tacattggat aggtcacagg 60  
cattgatgat cccggtgatg agctctttta gcttgctttt gatgttctac ttgttctcat 120  
ctgtctcgca gcttctcact g 141

<210> 32643

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700893846H1

<400> 32643





aaatgattgg atttactaat taatcgacaa cgttgggaaa aaaggttgat atttacatgg 60  
 ccatactact acaacagaga atattaaata agaaacgttg tcgattaatt agtaaagtat 120  
 tggattt 127

<210> 32647  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893851H1

<400> 32647

aattggagag cgctgccaaag aatctggcag ctgtcaatcc agaaaggacc atctttgatg 60  
 tcaagagact tattggaaga aagtttgaag ataaggaagt tcaaagagat atgaagcttg 120  
 ttccttataa gattgttaac aaggatggaa aacctggcat acaggtgaaa attaaggatg 180  
 gtgagaccaa ggtgttcagc cctgaggaaa tcagtgccat gattctgact aagatga 237

<210> 32648  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893853H1

<400> 32648

ggacaagtat gttgatcttc ttatacagga tcgcttcgta acatccatat ctgagcaggt 60  
 atcacatttt gcgcaaaggt ttgcagatg ttctttcaaa ctcaaagctc cagcagtact 120  
 tcttccaaag tttagacctt gaagatcttg attggatgct gcatgggagt gaagatacca 180  
 tttctgttga agattggaaa gcgcacactg agtataatgg ctatagagtg acaga 235

<210> 32649  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893855H1

<400> 32649

gtattttcct agtcatgagc ctcatactgt ggaagtgtgt ccccttgtg taggatacct 60

cttcctctat gggtgcttga tgagatacag aaagatatag agttagcgta ttgtgacagg 120  
 tttggaagaa gaaatattga atacatttcc cttggatgtg atattcttcc tgtgctacat 180  
 gggcggtt 187

<210> 32650  
 <211> 214  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893856H1

<400> 32650

ctctctctct ctctctgtga aatggagccg tttgcttaga gctgcttctt ctgatctttg 60  
 aatcttgatc tagatatcta gatacagaat tggaaatgga ttcaaattggg agcctacgtg 120  
 ctaacacctg ggcaaggctg tcgtccttga cctctcctgc aagtgggttta tcctcagatc 180  
 ctctttcttt cccaggtttt ggtttgcagc ataa 214

<210> 32651  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893857H1

<400> 32651

cacaaattct cagtctacga cttgggtggt ggatttcatt aagtgtgat aaacatggga 60  
 aaagactcaa agccaaagga gtccggaggc aagggaaagg ggaaacaggc tgcaagtgga 120  
 agtgatgaga atgcttctaa gggaaaagga aaaggtggga aaggtggaga tgggcttggt 180  
 acttgcacct atgtcaaagc taggcataat ctatgtgaga aacaaggtaa gatc 234

<210> 32652  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893858H1

<400> 32652

tgtgagattt gccacatggt gatgaggga ccatgcatgg aatgaaaagt catgattgtc 60

atatattcat agagtgttta cttcctattg cttttagctc attgccgcca catgtcttaa 120  
 atccacttaa tgaaataagt catttcttca aagatttgtg ttctacatct ttgatgaagg 180  
 atgacttgag tagaatggaa caaaatattc atttattttg tgcaatttgg cggaata 238

<210> 32653  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893859H1

<400> 32653

ctacaatttg ctcacaaagg aggaaaaatg gcacctttcg tttccctctc tttgttgctt 60  
 ctcttttctca accaccccct cctttccctc tcaaccaacc ctgaaggga cgctctgcat 120  
 gctttgagaa gcaggctttc tgatcccaac aatatgttgc agagtggga cccaacactg 180  
 gttaatccct gtacttggtt tcatgttacc tgtgactcca acaatcatgt gattoctt 238

<210> 32654  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893860H1

<400> 32654

catccgctga cgtggcagtc gaaggtttct gtatgagccg atgtgggacc cacggctcct 60  
 cctcttctgc atctcacgtg aagaagaaca acaacggcaa gaactacaag ttcgcttaca 120  
 tctgggtcgg aaactccgaa acccaatgcc cggggcaatg cgcttgcca ttccaccaac 180  
 ccatttatgg gccccagagc ccacccttgg ttgctcccaa caacgatgtg ggacttga 238

<210> 32655  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893861H1

<400> 32655

cacatttttag aagaataccc cctcttttgc tgcacagag gagttgtaaa ttaagagcat 60

ggctgcacaa gctcttgat catcatcttc tcttaccttc tcagcggagg ctgcaagaca 120  
 aagtcttga ccaagatcac tccaatctcc atttggcttc tccagaaaag cctcctttct 180  
 tgtaaggca gctgctaccc cccctgtcaa gcaaggatca gacagacctt tgtggtttgc 240

<210> 32656  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893863H1

<400> 32656

gttagtgatc catctgaacc aatcaaaggt tacgccatgc cccagagttg gatttaaadc 60  
 tagttttcat tgttatggtc tccgtagtta acaaatttta tcagcatgtt acattattac 120  
 tccattctac gttaggttgt tgacgaattg agttattctg tcatcagttg aaattgagtt 180  
 gagagaatat ccaaatcggt tggcaatctg gtgggtggagg gggatatcaag gtaggaaaat 240  
 t 241

<210> 32657  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893864H1

<400> 32657

ggtcaatcta agaataccca gaaaagagtt gcttaggttc tcccaccaa tcccagcttt 60  
 caaactgaca gacgagcatg gcaatcttaa gggcttctag gaacttgatc caggtgcact 120  
 accaatgcat tattatggct tgacatgacc ggccatgggt gactgaatag cccaatgttt 180  
 tttttt 186

<210> 32658  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893865H1

<400> 32658

gaagatttat gcaaataata agatgctaac gaagggttaag gcacttgtca agctaattggc 60  
 tgatagtggg gtgaggatag gccattaac atgggatgca cttgtgaaac tgtatatcca 120  
 agctggggaa gttgagaagg cagactctat ttgcataag gcaatccaac agaatacagct 180  
 gcagccaatg ttaccacct atttggtat tttagagcag tatgcaaaga ggggtg 236

<210> 32659  
 <211> 140  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893867H1

<400> 32659

caaggctcgg atcttgtaa tgtccgcaag gttctggggc cacatgcaa gaataattcag 60  
 ttgatgtcaa aggttgagaa tcaggaggga gtcctgaatt ttgacgaaat cctgcgggag 120  
 actgatgcat tcatgggtggc 140

<210> 32660  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893868H1

<400> 32660

gagtgggtgc attaagcttg atgataagca gggtgaaagc aagtgtgctc ttgtgtatgg 60  
 tcaaatgaat gagccccctg gtgcccgtgc ccgtgttggt cttactgggc ttactgtggc 120  
 tgaacacttc cgtgatgctg aagggaaga tgtgcttctt ttcgtagaca acattttccg 180  
 ttttacccaa gctaactcag aggtgtctgc ttgcttggt cgtatcccat ctg 233

<210> 32661  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893869H1

<400> 32661

gttagggttt aacttataat tgcgtgatcg attccgattc gattgattct cttctctctc 60

acacgaagta gaaacacgaa actcagaatc catggcgaca ccagcgacga cgaagcgaaa 120  
 accggtgttc gtgaaggtgg atcagttaaa acctggcacc aacggccaca cactgacggt 180  
 gaaggtggtc agttccaagc cgggtgaagac ggtgagcacc gcggcggtcg acc 233

<210> 32662  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893870H1

<400> 32662

gtcaatcata gttctgattt tcatacactt accctgagac ctccattctc agatcaagct 60  
 tgcacaaaaa tacatacata gctatggaca ataatactag tgctgtgcc taccaccaac 120  
 ttgagtcaga agaagcatct tcagagcaca aatcagaaac tcaaacaatca aagaaaagga 180  
 aaatggttga gaaaacagtt gtggcagtga gggtaggaga gaaggttggc aa 232

<210> 32663  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893871H1

<400> 32663

atcaatcata gttctgattt tcatacactt accctgagac ctccattctc agatcaagct 60  
 tgcacaaaaa tacatacata gctatggaca ataatactag tgctgtgcc taccaccaac 120  
 ttgagtcaga agaagcatct tcagagcaca aatcagaaac tcaaacaatca aagaaaagga 180  
 aaatggttga gaaaacagtt gtggcagtga gggtaggaga gaaggttggc aagct 235

<210> 32664  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893836H1

<400> 32664

ccagtttcga gcactgaagc acagtgatgc atttctgatg tgactaccc tcatgacaac 60

tgtgtttggg gcaatggtgg tacacctgct actaagggtt ggatgttttt ctctggcca 120  
 agttgatgcc attcctggaa tcattttttt gttctttgta ggtcttctca ttgcccatt 180  
 tgacattttt tatcgcccta ctctgttttg cttcatccgg gttattcgta acatagt 237

<210> 32665  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893803H1

<400> 32665

caaacacaag ccaagtgaag gtgagacaaa ataaaaatca aagagcataa tgtcagggat 60  
 cattcacaag attggggaga cccttcatgt gggagggcac aagaaggagg aggagcataa 120  
 gggtgagcac catgctggag aatacaaagg ggagcaccat ggtgaacaca gtagtgagta 180  
 caaaggagag catcatggtg aacacaaagc tggagagtac catggtgagc acaagccaga 240

<210> 32666  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893804H1

<400> 32666

gacacaactc tgccatattc catcttttat ttgcttttac agctatatatt gtttctgaat 60  
 catgccacac ttttcaagtc ccaacgcatt caactaggat tttcaaggct gtatatacat 120  
 aaattcagct actgaggtcg tgtgctagaa gcaaaatcaa gaacaatttg atctttgttc 180  
 aatttggtgg atcattgggc tgttgatgtg attgtgaagc ataagaagct tttgttaaaa 240  
 at 242

<210> 32667  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893805H1

<400> 32667

ggagaattga tcccaaatac gcctaagatt gatctgtggc aaagtctcct caagcgaact 60  
 ctttcctgga aacggtaaac ataacattaa aaacttgtaa attacgcatg aaatgggaaa 120  
 cgcaagcaga tgcagaagta atatgcacct cactgttgtc gtgaccataa cgaattaaga 180  
 tgttttctgc aacctcta atcttgcatt atcctttgta tctctagaat gtgagcatca 240  
 tagt 244

<210> 32668  
 <211> 133  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893807H1

<400> 32668

ggaaaatctt gatgaatctc ctcccgagg cattaaagtt gtggtaaata atgatgattt 60  
 ttcgacaata tttgctgaca ttgaaggccc agctggaact ccttatgaga atggagtttt 120  
 ccgaatgaag ctg 133

<210> 32669  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893808H1

<400> 32669

tgtctctctc tctccaccat tgccatggat ccttacaagc tccgtccatc cagcgccttc 60  
 aattctccct tctggactac aaattctggt gctcctgttt ggaacaacaa ctctctttta 120  
 accgttggag ctagaggtcc aattctgctt gaggattatc atcttgtgga gaagcttgca 180  
 aactttgaca gggcacgtat ccagaaacgt gttgtccatg ccagggggagc tagtgc 236

<210> 32670  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893810H1

<400> 32670



gaacagtctt ctgccactgc tgtgacaagc agagatatga caggacaaac ttctagtcag 60  
 agttaccttc tgagattaca ggggcctctc caccagttt gtgttgactt tgcagggcca 120  
 gctggtgaga cagacaatgc tttggaaaat gctgaaaatg gtgttgatcc tgttgatgact 180  
 caaaagatgt caactagaga tcaggccact tctggtgaac acatgcctgt tggctcttcc 240  
 tctt 244

<210> 32671  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893811H1  
 <400> 32671

caagattgcg tctttccagc agtttatccc tcatgatttt gatgccagtg ctcattgggac 60  
 atcgagcttc cctgttgctt ctgtgcatcg tatagggatt ttggacatta ggattcttaa 120  
 cacggatagg catgctggga acttgttggt taggaaactt gatggcatcg ggagttttgg 180  
 tcaggtggag ttgattccca ttgatcacgg gctctgcctg cctgaaactt tggaggat 238

<210> 32672  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893812H1  
 <400> 32672

ggcaaaaagg acacaccgtt tcatagtttt taagattgag gagcagcaga agcagggtcat 60  
 tgtggagaag cttggtgagc ctgccagggt ctatgaagat ttcactgcca gccttcctgc 120  
 tgacgagtgc cgttatgctg tttatgattt tgagtatctg actgaaggga atgtccctaa 180  
 aagcagaatt tttttcattg cgtgggtccc tgacacatca aggggtgagga gcaagatgat 240  
 ttat 244

<210> 32673  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893813H1

<400> 32673

```
cgccagtga tgtgtcagtt ggctcaaagt ctccatttga ttacgtctac gccgccacgg 60
aaactcaatt acacgatgac cccaacgtgg cactcttctt cttggaaaag gacttgcatt 120
ctggaacaaa gttggacttg cacttcacca ggagtacatc taatcaagcc acgttcttgt 180
cacgccaagt tgcggattcg ataccctttt catccaacaa ggtggacttt atattcaaca 240
agtttt 246
```

<210> 32674

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700893814H1

<400> 32674

```
tctgagggga ctgctgcact ccgtattact gatggaggtc tagttgtggt ccgttgtgtg 60
gaaggcgttt gtgtccaaac tgaaactgtg ctaagacaag cccttggaga aaggattagg 120
cctgttctga ctgtcaataa gatggacagg tgcttccttg aactaccaag ttgatggaga 180
ggaggcttac cagacattcc agaaggttat tgagaatgct aatgttatca tggctacata 240
tgaa 244
```

<210> 32675

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700893816H1

<400> 32675

```
tcgaatcgaa tgtatgtaag gtacatacat tcttggtttc acaaaccaac aaagtggcaa 60
tagccaagga tcaataagga tagagtgaaa attttgtgta tcataaatga gtgttatcat 120
atgtgtaa atgttctcaagg acatctgttt tgggttggaa tgcccaaaaa ttgcagtttt 180
atctattcac tgggtat 197
```

<210> 32676

<211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893817H1

<400> 32676

gctcgagcac tcatcaatct cgtttgttct cactaactat tacttcatca tgtcgtcgag 60  
 cacagttggt caagtcata aatgcaaagc tgcggtttca tgggaggcag ggaagccact 120  
 tgtgattgaa gaagtagagg tggcaccacc acaagctggt gaagtgcgtt tgaagatcct 180  
 ctacacctct ctttgccaca ctgatgttta cttctgggaa gccaaaggcc aaactccatt 240  
 gtttcctcgt 250

<210> 32677  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893818H1

<400> 32677

ataaggtcgg aggattgatt gagaatcggt cgagactgca aaatccaaaa ccaaacacaa 60  
 cgcacaacat tcgtcattca ccgccttgtc ttgtcttctt ctgtctccga atcacggaat 120  
 ctctctgaat cgcgggatta agagaggaat atgcaacaga ggctaaagtt gcagcaacaa 180  
 caggccctca tgcagcaagc tttgcttcaa cagcagcaga tgtaccaccc tggcatgctc 240  
 gcc 243

<210> 32678  
 <211> 141  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893819H1

<400> 32678

caccttcaca attagaaaaa aaaaaaaaca caaatgggc gtttctcggt ctcaaaagcc 60  
 tcatgttggt tgggggccat tcccagcaca aggccacgtg aaccctttta tgcaactaag 120  
 caaactcctt ctttgaccg g 141

<210> 32679  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893820H1

<400> 32679

gaagaagaag ccctttgggt tctctcgctc caacaacaag gctgcttcta agcctctctc 60  
 tcgtggagca acaactgtga aatctgtgga atcaaagggg caagctgaga agtgtgccaa 120  
 gagaaagagg aagaaccagt atcgcggaat ccgccagcgt ccatggggaa agtgggctgc 180  
 tgagattcgc gacccaagaa aggggggttcg cgttttggct tggaactttc agcactgctg 240  
 aa 242

<210> 32680  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893821H1

<400> 32680

gaagtatgcc atgggctgat ttgtgtttgg ataatgtata ttgaaatgga ttgcatctat 60  
 gaaaactttt gtgggtttgc ttttcacttc ctgttttctg ggtaagatta tgtttctggt 120  
 atgaggggct agggaaggga ggtgtcttaa tttgataaaa aaaataactg tgttcaacaa 180  
 ccaactgtgat gtttttatca tgatgcaaac gcatgaacag gatgttattt gtgtcattg 239

<210> 32681  
 <211> 139  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893822H1

<400> 32681

gttttgcttt aagccaattt tgtatgtaat catgtttata agtgtcgtct tgtgatgatt 60  
 ttagtttagt gtacaaaggt gtgaaaactg aaaagggttc ttttctttcc tttaaaaatt 120  
 tataacttct ctcttctgc 139

<210> 32682  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893823H1

<400> 32682

gtggatttgt cctcaaatct ttgactggg agcttaccta gatgtttagt gtcaaattcc 60  
 agt gatagca ctgtcctgta tgctagaaat tgtctagaca ccgtgaatca aaatcagcag 120  
 ccgcagccct ttgcccacac tgaagcttta cctgtgggaa tattacctga gagaaagaag 180  
 cacaacaag tatctacggt agttctttcc cttggcatag taggggggac tcttgagg 239

<210> 32683  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893824H1

<400> 32683

gtttacaaa acaattagca tactaaaacg cattcatgtg acgataattg ttctgatga 60  
 tgcgagtttc agtcaaatca aaatcatttt tttcaagagt gtctgtcttt ggccactgaa 120  
 ctacctcagt gtttcgcatg tggttttgtg ttctcagcaa aaaccaaagt cgcttcctct 180  
 atgctaaaag ggacaccgag agagagagag agagagagat aaagagaggg tttttcaatc 240  
 cc 242

<210> 32684  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893825H1

<400> 32684

caaaaaaaaa attctttaat taaatcttta atgaaattaa atatttaaatt taataaaatt 60  
 agtcgtgttt tattcgattt ttggaattgg tttttttttt acagtagcta atgctagtca 120  
 tcgaacttag tcaatgagct agaatgggtt ataaagatat ctatagatat atatagatat 180

atttatctat agatatcttt agaaaaaaaa aaagacaata accaaataag acgtatcatt 240  
t 241

<210> 32685  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893826H1

<400> 32685

gcattattca tcgagatatt aagtcacaa acatcctgct tgatctcaac tatgaagctc 60  
gagtttcgga ctttgggctt gcaaaattgg cattagattc aaatacacat gtaactacac 120  
gtgtaatggg aacctttggg tacatggcac cagaatatgc gacaagtggg aaacttactg 180  
aaaaatctga tgtatattct tttgggggtt tgctgttgga actaattaca ggtcggaagc 240

<210> 32686  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893827H1

<400> 32686

gatttatctt gttcataccg ggtttctact acacgcggat tgcgtattat gcttaciaaag 60  
gatacaaagg gttctctttc tctaacatac caccctgtga gctctactag ctagccatgt 120  
ctcatacttt aggttcacat agcttcctct tgtacagatc ttccatgggt gtactctatg 180  
ttctttcttt ctgggtgttg gttttttttt ttgcaaccat agaaagtgcc agtatatgat 240

<210> 32687  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893828H1

<400> 32687

ctcaagacag tgaatttgga caattctcac tctcgacgga ggcggatctt cgtgctctcg 60  
acgcggagcc tcgctcactc actctogaat gcgaagcctc cctcatgaac ttactctct 120

gctgtataaa cattctagtt atggaagatt ctgatcaacc agtcaaattct gctgaaaacc 180  
 agcaaaactga acaagtgtgt agtttttaca gaaagccagt taatcacaag actataaggt 240  
 tac 243

<210> 32688  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893829H1

<400> 32688

gttctaataga tgaaacagct cctatggtgg tacaacttgt tctctcatc atgatggcgc 60  
 tccatcagac tcttgagaat cagaagggtt catctgacga gaggcagaat gagttacaag 120  
 gccttctatg tggttgcttg caggttatca tatcgaagtt a 161

<210> 32689  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893830H1

<400> 32689

cttttggtgt ttgtgtgttt gttttttctc tcacctgaaa atgtcttgct gcggtggtaa 60  
 ctgtgggtgc ggaagcgctt gcaagtgcgg caacggctgc ggaggctgca agatgtaccc 120  
 agacttgagc tacaccgagt caaccaccac cgagaccttg gtcatgggag tggcaccagt 180  
 taaggctcaa ttcgagagtg ctgaaatggg tgttcccgtg gagaacgatg gctgcaaattg 240  
 tggag 245

<210> 32690  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893802H1

<400> 32690

gtcgcattgct cgcgaatgcg gctcgaggta taatatggtg ctgaagtttc caaggagtta 60

actcctttat ggattttggg cccacttatt gtggctaccc aaatcttggc aatccgttgg 120  
 ctatgtgcac tctatgtttt cagcttcaat cagactgtca aattactcaa gaattctcct 180  
 tattactgca ttttggccta cagctatgtt tttcgtggca agctcaaaga ggatatctca 240  
 acttatgttt tgcagcctat attgcgcgtt a 271

<210> 32691  
 <211> 69  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893833H1  
 <400> 32691

gcaagacttt accgagtcct tacgcgttgt ttgtgtttgc gtcggaagga agagaagatg 60  
 agtgagaat 69

<210> 32692  
 <211> 237  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893835H1  
 <400> 32692

gtttgcatct aatgggtctc ttcattgatat ttacacggc agagaagggtg ttaaaggagc 60  
 acagcctggc ccagttttga catgggcaca aagagtaaaa attgccgtag gggcggcaag 120  
 aggacttgaa tacttgcatt agaaggctga tccacacatt atccaccggg acatcaagtc 180  
 aagcaatgtg ctaatctttg atgatgatgt tgctaaaatt gcagattttg atttatc 237

<210> 32693  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893763H1  
 <400> 32693

cattattcct ctctcttctc ttctcttctc ttctcccatg gcttattcca ttctctcat 60  
 catcacctac ttctcttctc ttctcggcac tctctccac gctcaagccc ctgcatcttt 120



cctaattccca gtcaccaaag acgcttcaac tctccaatac ataacaacac tttcatatgg 180  
 cacccttttg gttcccaccc cactgggtgct tgatttagga ggtccttttc tc 232

<210> 32694  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893764H1

<400> 32694

cgattggtcc cattgattcc gaagagaaaa gaaaagatgt ttgagccaca acagctatac 60  
 actcgcgga agaccgagga attcgacctc gaatcaggag aaacctcta cccagggctg 120  
 agcgtcggcg agaaccagct ccgatggggt ttcattccga aggtctacgg catcctctcc 180  
 gcgcagatcg tctcaccac cctcgtctcc gtcaccaccg ttt 223

<210> 32695  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893765H1

<400> 32695

tctgtccact ttcttctcct tttagggttt ctttttgggt tctcctttcc agatctgcat 60  
 cttccatttt ttaggattaa gcggtgagat tctggaatct gagaaatgtc ggattcttct 120  
 cgggaggaga ctgtttacat ggcgaaattg gcggagatgc cgagcggttac gcggagatgg 180  
 ttgagttcat ggagaaggta gcaaagactg tggaggttga ggagtt 226

<210> 32696  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700893766H1

<400> 32696

ctaagagttg ctgcttcttc agccactccg caccttgagc agcctctagg gncctcaaca 60  
 accatggctg aaatcgaaac taccgttcca gatccaccc aaatcgacgt caaactcttc 120

aatcggcgga gcttcgagga tgttgagggtt aatgatatgt ctctggctga ttacattgga 180  
gtgtcccat caaagcatgc tacatatgtt cctcacactg ctggtaggta ctca 234

<210> 32697  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893767H1

<400> 32697

caattgtgat aagccattca ctcaggtgaa aagataaaaa aaacatatag taacaaaacc 60  
atgggtgattc acagactcga attgtgcata aacatgggtc aactcgccat agagttcgtc 120  
gtgagcgtcg cggaacagt ggtcatagtt cagcagagaa ccgtggagcc tctcggaatg 180  
ttgaatcgcg caagtacacc tcttcctttc tatggctacc tccgttgaat g 231

<210> 32698  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893770H1

<400> 32698

gacttcactt tctgaaaaa aagaattttg aacctgcctc tgttaaagtt tgcatttttt 60  
ttgggtgggt tgatagtact gtgcaagctt tggaacttct tcacaagctg ctacttcaat 120  
ggccactgaa gaggttaaca aacctcaatc gcttcctcca taccctgaga tgatagttaa 180  
agcacttgaa gccttgaatg aggctgatgg atcgaataaa tcagcgata 229

<210> 32699  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893771H1

<400> 32699

gaaattcccg aggataacga tgtggatgcc gcagacatgg aagaggatgt cgatggcgac 60  
cttgccgacc ttgaaaacct aaactatgat gacttggaca gtgtttccaa gttgcagaaa 120

accagaggt acactgatgt tatccagaaa gtggaagagg cacttaataa aaaggaggct 180  
 gaggtcttgt tgcatttagt ggatatagac agatgacct gaatacaca 229

<210> 32700  
 <211> 198  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893772H1

<400> 32700

agtgactttg tctacttggt tccccagaa gccttaaagc tcttctctgc tttgaaaatg 60  
 gctgattggg gcccggtggt gatcgagtg gtgctgttcg tgctgtgaag cccgggggtt 120  
 ctgtttcaga tgccagccag gggaagggtg gcagagtttg ggaacatgca aaccagtggg 180  
 gcctccattt tggttcac 198

<210> 32701  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893774H1

<400> 32701

tgatttgagg ccaggcaagc cccactcaac caccacacct ctctctgttc acgctacccc 60  
 tttctgctct tcttctacct ttcaagtttt aaaagtataa agatggcaga gacattccta 120  
 ttacctcag agtcggtgaa cgaggagac cctgacaagc tctgagacca aatctccgat 180  
 gctgtctctg acgcttgctt cgagcaggac ccagacagca aagttg 226

<210> 32702  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893775H1

<400> 32702

gcattcctct tattcaggaa tttggagagt attgatatat caaggtagga taaaccagta 60  
 gccaaaggaag atatggagtt ttctatgatt ttcattgtta gcaacattat gctgcttttc 120

agttcagcat ttgccaaaac tgctagtcct ccctctctga gcccaactcc agcaccagcc 180  
 ccggcaccag acttcgtgaa cctcactgag ttactcagtg ttgctggt 228

<210> 32703  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893776H1

<400> 32703

ttgtttgtct gtcacgagac tcatacattg tgctgccaat tatagtaact ctctatttct 60  
 ctttccatct ctcaagttct gaagaagaaa catgtgtgga ggtgctatca tctcagactt 120  
 cattggtgtg aagcgtggcc gcaacctcgc cgcgcaggaa ctatgggtctg agcttgaccc 180  
 tttctctgac ttccttggct tcgataccac caattccaaa aaccaac 227

<210> 32704  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893777H1

<400> 32704

gtcacccgta gcaatgacgg agctgcagaa gctatgtgat aaagttcctt catttgcaga 60  
 tgatgtggct atggctctaa ttgaggagga gcttggtcag ccatggcaaa acatctattc 120  
 tgaactatca tcttctccca ttgcagctgc atctcttggc caggtataca agggtcgcct 180  
 aatggaaaat ggggatttgg tagctgttaa agtgcaaaga cctttc 226

<210> 32705  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893779H1

<400> 32705

ctacgcactg cggagagaga aattgagttt ccgagataac cagtagtctc ttgattcat 60  
 caatggcaac tgcgaggacc gtgaaggatg tttcgcttca cgatttcgtg aaggcttatg 120

cttccacct caagcggtcc ggcaagatgg agcttcctga gtggaccgat attgtaaaaa 180  
 cagcaaaatt taaggagttg gctccatatg atcctgactg gtactac 227

<210> 32706  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893780H1

<400> 32706

tgaaacttgg gtgcgattcc ttcactcaca acaacaacac atcactatgg ctcttctgag 60  
 tcgagcctct tcacgcttcc ctcagctggg tccccctcaa agggtagttt cactccacac 120  
 aacgctcgca aactgaacg catccccatc cacagccacg cctacaccat atgccccggc 180  
 accgctccg tccgcttctt ctcccgccgg cgtttcgaag gcggcgga 228

<210> 32707  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700893782H1

<400> 32707

cagaaaaaaaa tggagaacta tcagtaccgg gcggcgtagc ctgagtcggg cgagtcctcc 60  
 ccgcgctcgc gcgagatcga cttcgagata tcgccgcggt gggacgagca gcagaacaaa 120  
 gaatanaagg ccaagttcat gtgcagctac ggcggcaaga tccagccccg caccacgac 180  
 aatcagctct cctacgtcgg cggcgacacc aagatcctcg ccgtcga 227

<210> 32708  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893785H1

<400> 32708

caccgagtcc agaattatcc gaacggcatg ttccagcgcc gttcagatcg agagaattgc 60

gttgatgggg ggtaacaatt ctaaggagga taataacaat tggaggcaga attcatctgt 120  
 gcgttcaagt tcctctgcgt cttcttgggg ttcataatcct gacccccaat caggttatgg 180  
 tcacgggggt tacgcgtatg agccacaaca gccttcttat cctac 225

<210> 32709  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893786H1

<400> 32709

ggaatgaact ttatcatgat ttaccagca agcagctcaa ggtcaaagtt actgacagaa 60  
 cggctgttgt tacaacaaat gcagaaactg tggttgtag cctccgggt ctacaagaag 120  
 ccataaatga agaaactgct aaggagcccc aaggtcgata ctttatgcga ccatctggca 180  
 ctgaagatgt tgtacgtgtg tatgctaagg catccacac 219

<210> 32710  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893787H1

<400> 32710

gacacaaata taatttcttt tggtgggttc ccagatgaaa gggatattat ctctgtgggt 60  
 aggctgctg cagagtatga tcaattatat aatcaatctt cagtgcattg gtcaacaaca 120  
 gccacgaga aagagttgga tgtgtcaagt gctgatgcag ttgcaagtac acttcaggta 180  
 gcaaaagtta agtctgaaac tgtatccaag aataaacaag agctcaaa 228

<210> 32711  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893788H1

<400> 32711

catcgctagc aatatctatc gccgaccttt tcttttttag cactgatatt cattcctagc 60

atttctcaat tttgttaact ctaatagcaa attggagata ttggcagatc ttgttgctag 120  
 ctatgtccat ggatagttct tccaattcag tgatggagga tgaatttgag tcaacaacct 180  
 tgcattcagc cccatcattt gcactatcac acaaccttca tggagatga 229

<210> 32712  
 <211> 224  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893790H1  
 <400> 32712

ctttgttagt gataattttg ctatgctgtt ttggttcttt tgatttctca gtttgattga 60  
 gtaggcttta atgggtttgt ttttcttggt atggttggtt ctttaataca gaagggtgtg 120  
 ttgttgctat ttactaaacc atgagtggat catgtatttg ttagcttaat tgaatgcac 180  
 tcttattctg gatgttcaact ggggttgattt gattctggga tctg 224

<210> 32713  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893791H1  
 <400> 32713

tcggattcgg cgcattcttc aggttctgga tctctaatac ttctactcac tgtatgctct 60  
 tgagtaattt ttgcagagaa gtacactatg agcaggccag gagactggaa ttgcagggtca 120  
 tgccagcacc tgaacttgca gagaagagat tcatgccagc gatgtgggga cgcaaaatat 180  
 ggcgatagag ttgatttttg tggctttgga ggacgaggat ggtcttcatt tggtttaact 240  
 gg 242

<210> 32714  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893792H1  
 <400> 32714

aggttctgga aatcaagggt ccttttctga acattgatga gaacacaagt caagaaaaca 60  
 agccatttac tgacatgcaa ttagcaaaga gtgtcagctc aggaagtttg agctcaatgg 120  
 actggatgcg tggagctgca atgaagcctg ctttcattga tatctctgca atagatttca 180  
 atgcagatta tggcatgceg agatcattta gtgaaggaga t 221

<210> 32715  
 <211> 223  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893793H1  
 <400> 32715

gcgaagaaga agaaacgaca gagcaagaag gaaatggcga ccaacattgg gatcatggat 60  
 gcggcttact tcgtcggcag atctgagatt ctttcttga tcaactcaac tctgcaactc 120  
 aatctctcca aagtcgaaga ggcatgttcc ggcgcggttc actgccagct tctcgatgcc 180  
 gctcatccag ggatcgtgcc tatgcacaag gtcaatttcg acg 223

<210> 32716  
 <211> 223  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893794H1  
 <400> 32716

ccgggggtttt gggtgcgctc acatcgtgtt ctctgcggcg cgagctagct agggtttaga 60  
 acctcgcagt tacagaaaac atggcgactg tggtgccaac ctccgaagaa gacgctgcac 120  
 tctcgcgtgt tcgattcgcc tctgaacttg cctggggccga tgccgggtccc gaggttgctg 180  
 agccccaagt tagcagactc tgcgtggagg ctgaagaatt cat 223

<210> 32717  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893795H1  
 <400> 32717



tagcattccg ttcccgttcc gttcaaacag tttgtctttc tcacatacac tttcttcctt 60  
 tgtttgtcac cgcagtttca atctcagatc caacattggt cagtccaaat tcaacgcatt 120  
 ccatggcaaa tcttgcattc gcgagattct ccgttcttat tcttctcggt tctttgctag 180  
 tcaacatcgc cgccaccgcc gccaccgccg ccgaatcgcc agctcc 226

<210> 32718  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893796H1

<400> 32718

gtttttgccc ttgaagtgaagggttttga agtttgattt ttggtttagc tgtgccacaa 60  
 gagtatgagg aaaaatgtcg gttctcattc aggaaggatg tttagtata ggaagtggat 120  
 tctccccctt tttgcaagtt tgattatata tatgagtcta gttctgacag ccattcttgg 180  
 attacttagt tctgatggcg ggggagaaca gtcaccgttt gaaatca 227

<210> 32719  
 <211> 56  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893801H1

<400> 32719

gggctcgagg tccatcacga ccttccttct cctcctcgtg ctctcgccgg cgatca 56

<210> 32720  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893762H1

<400> 32720

ggaactcgga gacactctca gagctaaatt cccaacgcc aaacttgacc aggatagc 60  
 aatgactgag gcagggccta tgctaacaat gtctttagct tttgctaaag aaccgataga 120  
 cgtgaaacca ggtgcatgtg gaaccgttgt aagacatgca gagatgaaga ttgtcgatcc 180

tgaaaccggt cattctttac ccagaaacca atccggtgaa atttgcata

229

<210> 32721  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893723H1

<400> 32721

tgggagaggg ttttactacc cttgttggcc atacacagtg tgtgtctgct gtggtttggc 60

cacaacagga gtcaatttat actgcaccc gggatcattc tattaggaaa tgggatgttg 120

agacaggaaa aaacttgaca gatgtatttt atgggaaggt tctcaactgc cttgatattg 180

gtggggaagg ttctgctctg atagctgctg ggggttctga ccctgtcatt aggattt 237

<210> 32722  
<211> 111  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893724H1

<400> 32722

cgaaaaaaaa gaagaaaaaaaa gactcagttg tgtatcgttg cagctctact agctagggtt 60

tcgcaagtgc gatcgaagaa gaacgatggc gatggctgct gctctgcgtc g 111

<210> 32723  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893727H1

<400> 32723

gaatatggtt gggattagtt ggagctgcc tctttattca aagataaact acacttaaaa 60

cacggagttt gagttctcca atttgtgatg tataccttct aatttggttg tatagttttt 120

ctttttagtt tatatgatgt gaagtccatg ttgtaacatt attatagaat gtatggaata 180

gatttgtaca tttattgtgt gtatcaaata gatgaagatg ttatattatc ctac 234

<210> 32724

<211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893728H1

<400> 32724

ttctgctcat tgcaggatgg ctaagtgtc ctacattcga attcagtga tgctcgggaa 60  
 actagaattc catatccatg ggtagttttt aatgagaaga taaaagtga ctctgtattt 120  
 ctctgtgact caacagctgt gcctgattca gtggtgttc ttttgggtgg aagcatctca 180  
 ataggagata cggatgggtca cttgagaatg tcaggaggat atttggagtt ttttatgaaa 240  
 cctg 244

<210> 32725  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893729H1

<400> 32725

caaccctaac gcgtgcagag cagagagaga cgcagccatg ggcgaagac ccgcgaggtg 60  
 ttataggcaa attaagaaca aaccataccc caagtcacgg ttttgccgtg gtgttcctga 120  
 tcccaagatc aggatttacg atgttggtat gaagaagaag ggtgttgatg agtttccttt 180  
 ctgtgtccat ctggttagtt gggagaagga aaacgtttct agtgaggccc tgga 234

<210> 32726  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893730H1

<400> 32726

cctttttctt ttatctgtag tagctgaatg aaccacaggt taaaataaca cacaaagaat 60  
 catccgagtc aatgtgtagt aggaactcca tggcactgta atttcttctc attacccttg 120  
 gatgtagtag tttagattgt tagtcctatg ttgttacagg tataatttca agtctttgta 180  
 cagctggagc attaccaga gagaaagcat gcatagatga agtggtaaaa 230

<210> 32727  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893732H1

<400> 32727

ctcgtttaag gattctgctt gtcgctgctt tgggtacatg gtgtctaaga agaagtacat 60  
 ctacaccatc gacgacgact gcttcggtgc taaagatcct tctggaaagg acatcaatgc 120  
 acttgagcag cacattaagc atctcctatg tccatccaca ccatttttct tccacaccct 180  
 ttatgatcct tacagagctg gtgctgattt tgtccgtgga taccctttta gtcttcg 237

<210> 32728  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893733H1

<400> 32728

ccacctcctg ttccggttca tctccagtt aaacctcctg ttccggttca cctccagtt 60  
 aaacctcctg ttccggttca cctccagtt aaacctcctg ttccggttca cctccagtt 120  
 aaacctccgg ttgtccgggt tcacctcct gttaaacctc cggttggtcc gggtcacccc 180  
 tttctagaa gctttgtcgc agttcaagga gttgtttatg ttaagtcctg caagta 236

<210> 32729  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893734H1

<400> 32729

cgtgaatgcg tataaaagga aaataaagaa attagcgtca aacatgttgg gtgtgttcag 60  
 cagctccata gtgtcgccgc cggacgagct cgtggccgcc ggcagccgta ctccgtcgcc 120  
 gaagatgacg gcggcgccgc tgcggaagcg gttcgaggag aagaaccct cgcgcgtatc 180  
 ggtggaggtc ggagagcata tccagctcgc ttataccac cacaacgagt cgccg 235

<210> 32730  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893735H1

<400> 32730

caagaatggc acttcgttgc ttggtgatgt ccctttctgt tctcttcact cttggtcttg 60  
 cgagagaaag ccatgccaga gacgaagatt ttggcatgc tgtttggcca aacactccca 120  
 ttccaagtcc attgcgagat cttctaaagc ctggccctgc aagtgttgag atcgatgatc 180  
 accctatgca aattgaagaa acacagtacc cgaaaacctt cttctataaa gaaga 235

<210> 32731  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893737H1

<400> 32731

gattaccagt agagttcctt ataaaactgt tttagagagca cacagtgctg ttgttttgaa 60  
 ggctgaaagt gcagctgata aggttgaatg gattaanaag ataagccaag ttatacaagc 120  
 aaagggagga cagattagga catctgatgg tggccctaca atgaggcata gcctctctga 180  
 tggttccttg gacacaatgg ctogaagacc tgctgatcct gaggaagaac t 231

<210> 32732  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893738H1

<400> 32732

cacatctttg ggcccgtgt gtctgtgact cacctcttcg gttccaagtc gccacccaag 60  
 ctttgcgctt ttactctcag atgctctgct ggcaatggag aaaggccttg gaaaacttca 120  
 ggcgctagac ttatgttaga agatggatca atctggaaag caaagtcatt tgggtgcttca 180  
 ggaacccaag ttggagaagt tgtttttaac acatcattga ctgggtatca ag 232

<210> 32733  
 <211> 103  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893740H1

<400> 32733

cttaaagatc gtccatcttg gttccgtgac tgcggagcc tagaggtttt tactatgttt 60  
 cctgctggaa atggaggaac cattgaactt gttccacac aac 103

<210> 32734  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893741H1

<400> 32734

ccaatatatt ccattctctc tgtgtatttc cctacctctc cttcaagat gcagatcttc 60  
 gtcaagacc tcaccggcaa gaccatcacc cttgaggtgg aaagctctga caccatcgac 120  
 aacgtcaagg ccaagatcca ggacaaggaa ggaatcccc cggaccagca acgtctcatt 180  
 ttgcgccgaa agcaacttga ggacggccgt acccttgctg actacaacat tcaga 235

<210> 32735  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893742H1

<400> 32735

agtaaakatg agggcacgcc aatcttgcca aaatggacaa tgggttgtca tgtcaaaggg 60  
 atcaggaatg tctggagatg tgatgtctag ccggtatttg atttcaaaca gttacaagga 120  
 tcaacctgaa aatcagtga gaaatatttt ttctccagga ttagatgcca gtggtcttca 180  
 ggaatctcgt ctggcttcat cttcaacatt gaagagaatg tccccttatg act 233

<210> 32736  
 <211> 231  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893743H1

<400> 32736

caactctttg ggcttgatct catctagaaa gacaaatgaa gccatcgaga tccttaagct 60  
catgtcttcc acattcttga ttgcactttg ccaagcaatt gacttgaggc atttagagga 120  
gaatttgaaa aactcgggtca agaacaccgt gagccaagtt tccaaaagga ttcttaccac 180  
aggtgtcaat ggagaactcc atccttcaag atttgtgag aaggatctgc t 231

<210> 32737

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893746H1

<400> 32737

ggagacttct tgggtgggtgt gacatagcaa ttgctatgca tgagagtggg gaactgaagg 60  
aagtttttaa agatcatgga attgatacta ctaatgaagc aaaagagaaa gaatcaggaa 120  
acggcaaagg tggcatctca aaatctactg atttgagtac aaccttatcc tctcgtctgg 180  
aaagcctggt aaattcaagt gcagttatgc tgtttatgac aggaaagcca 230

<210> 32738

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893747H1

<400> 32738

agcgaccatg ccggcaccgg cacggttgac ggtggtaaca gctggggagg agtacaatgc 60  
atgcaggtgt ggccaccaat tggcaagaag aagttcgaga ctctttccta cttgccagac 120  
ctcgaatgatg cccaattggc aaaggaagtc gaataccttc taaggaaagg atggattcct 180  
tgcttggaat tcgagttgga gcacggtttc gtgtaccgtg agcacaacag gtca 234

<210> 32739

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893748H1

<400> 32739

gttcttttcc tgaggataga aagattcctc tagaagtttt aatcaatatg tgggttgaaa 60  
tctatgacat cgatgaaggg gaagcatatg ccatttgtgt tgagctttca aacaagaatc 120  
ttctcacctt agtacaggag gcacgtgtcg ggggcatgta tagcagttgc tttgagattt 180  
ctgtcactca acatgatata ttgagggacc ttgctcttca tttgagcaac cgtgg 235

<210> 32740

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893749H1

<400> 32740

cttgtgctct gtcgtgcct ctagggttat catatctcca tttccatttc ctctctctca 60  
gtttccaaga atcttaagct atgggaaagt cttaccaaac cgtgagcgct gattaccaga 120  
aggccgttga gaaggcgaag aagaagctca gaggcttcat cgctgagaag agatgcgctc 180  
ctctaagct ccgtttggca tggcactctg ctggaactta cgacgtg 227

<210> 32741

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893752H1

<400> 32741

tggaagaata agagcaccat cacattcact gccatcttca ctagaaaaca atgtcaaag 60  
tttcttttct tttggccttg ttcattgatag tagctttgtc tatctttcct tccatagtgg 120  
gtgcaatagg tgaacaccgg ctaagggtgga tgcttgagac aacaacacca tgccaaagct 180  
ccatagaaga gtgcatggca gatgggtgagt ttggaatgga ttcagagtcc c 231

<210> 32742

<211> 232

<212> DNA



<213> Glycine max

<223> Clone ID: 700893753H1

<400> 32742

ctccgtctgg tccccctacc tctacgccac cgccgtcccc gtctccccct tcacgtcca 60  
gatcctccag caggacaaaa cctccggagg aattctggtc aacgtaaaag tcaacggaag 120  
agtcaagtgg aaggctcgaa cttgggtttc cggaatttac catattaatg tcaactgtcc 180  
ggcgtacctc aggctcgccg gcgaccgga cgacgccatc ggatttgccg gt 232

<210> 32743

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893755H1

<400> 32743

aaccagccaa gaggccttga agatcctgaa cttcttgcta gagagactgt gttcagtgt 60  
agcgaaatag aagcacttta cgagctcttc aaaaagatta gcagtgtgt aatcgacgat 120  
gggttgatta acaaggaaga gtttcagttg gcattgttca agacaaataa aaaagaaagt 180  
ctgtttgctg atcgggtatt tgatttattt gacacaaagc acaatgggat act 233

<210> 32744

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893758H1

<400> 32744

ttttagtcta gcaagatttg ctcatgatgt gtggcggctt aatttctttg tgggtgttcag 60  
ttgtattgta cttaacaaca gttacatgtt atactacatc tgccccatgc acactctttt 120  
cactcttatg gtttatgggg cacttggtat tctccacaag tacaatgagc ttgggtcagt 180  
cattgctgta aaaatcattg gttgcgtctt ggttggtatc ttagtatggg 230

<210> 32745

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893759H1

<400> 32745

ctatggcttc tgcagaagta gagttccgat gctttgttgg tggacttgct tgggccaccg 60  
accacgatgc tctcgagaaa gccttctctc aatttggcga aatcgtcgaa tcgaagggtca 120  
tcaacgatcg tgaaactgga agatccagag ggtttcgatt tgtgaccttc gccacagagc 180  
aggcgatgag agacgcaatt gaaggaatga acggccagaa cctcgacggt 230

<210> 32746

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893721H1

<400> 32746

cagcagaggg aaaataagcc tggaaacgat ggaagatgat gacgcagcga ttgaggtgag 60  
gaaccatggt tccccagagc cagaggtgga ggattccagt tgctgttgcc caatttgctt 120  
gggatcattc cttcaacttt cctacctcga caaatgtttt cataagtttt gcttcaattg 180  
cattttacgc tggaccaagg tggttgctag caagcacggt tctccacctt cttctg 236

<210> 32747

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700893760H1

<400> 32747

aggctctgga aatcaagggt ccttttcgga acattgatga gaacacaagt caagaaaaca 60  
agccatttac tgacatgcaa ttagcaaaga gtgtcagctc aggaagtttg agctcaatgg 120  
actggatgcg tggagctgca atgaagcctg ctttcattga tatctctgca atagatttca 180  
atgcagatta tggcatgcgg agatcattta gtgaaggaga t 221

<210> 32748

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893761H1

<400> 32748

gtgggttttga acgatcgatt ggggaagaag gtgcgcgtga agtgcaacga cgatgatacc 60  
atcggcgcacc tgaagaagct tgtggcggct cagactggca caagagccga caagatccgc 120  
atccagaagt ggtacaccat ctacaaggat cacatcactc tcaaggattc cgagatccat 180  
gacggcatgg gtctcgaact ctactacaac taaacacaac aaggtgtg 228

<210> 32749

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700893669H1

<400> 32749

aggaaatatg ccgttacctc tataatcatc aaaacaagga tgggtgggtgg ggtttgcata 60  
ttggaggtcc aagcaccatg tgtggctctg tcttgagtta tattactctg agattgctag 120  
gtgaggggcc taatggtgga caaggggaaa tggagaaggc acgtgactgg attctagggc 180  
atggtggtgc tacttatatt acgtca 206

<210> 32750

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893670H1

<400> 32750

gaataaggaa gatggttcta aaggtgatca acttgctctg gacgtaaaga gtttaaattt 60  
gaaagaggag gcttctcagg atagaaaaga taatggtaat cgggcacaga cattcagttt 120  
taatgaactt gaagctgcga cgggaagttt taggttgat tgttttttgg gtgaaggagg 180  
ctttggcaag gtttacaagg gacacttgga gagaataaac cagg 224

<210> 32751

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893672H1

<400> 32751

ggcagttggt gtcttgctct ttttggaac aagctttttc cagtttggtg gtctccatat 60  
 ttgttaccca ttctttttac catacgggtg tttccatcat tcattcttgc atggtgttct 120  
 atagcaacat ggcttcagtt ttgagattgc agagtcaatt gtgattggaa agggaacttt 180  
 ctgtagaatg tgtatattat gagtgttaat agtgcgattg agtccaaaag a 231

<210> 32752

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893673H1

<400> 32752

gtttgaacca acaaaggatg gggatatgtg atgcagttgc tgtggcaaag atactgaatg 60  
 ctactctggt gattccatac cttgaattaa atcctgtatg gcgagattca agctccttca 120  
 tggatatatt tgatgtggat catttcattg atgtattgaa ggatgatatt tctatagtta 180  
 aagagctgcc taaagagttc agctggagca caagagagta ctatggc 227

<210> 32753

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893676H1

<400> 32753

ggcacatgag tgtccaattt gcaacaagat tttcaggtaa ggccaagcct tggggggtca 60  
 caaaagggtcc cattttgttg gaggttctga ggaaaacaca cttgtgataa ggccaagtgc 120  
 tcctcctgct gctgttcctt gcctcattga tctcaatcta ccagcaccgg ttgatgaata 180  
 gggagaaaga aatgttggtg ccaaaatcct ggtttttttt tttttggca 229

<210> 32754

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893677H1

<400> 32754

cagacatcag gctgatgttt gtcacgccta tcaaatacta aggaaagggtg gcctgaaaga 60  
 agaaaatatt attgttttta tgtatgatga cattgcattc aatggggaaa acccaaggcc 120  
 tggagtcac cattaacaaac cagatggagg tgatgtttat gaaggagttc caaaggatta 180  
 caccggcgaa gatgttactg ttggtaactt ttttgctgct ttacttgga a 231

<210> 32755

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893680H1

<400> 32755

gaaaaatctc tctctaacac cttcaaactc taaattatta ttcactttct ctctctctct 60  
 ctcagcatgg catctcaagc aatcaccttc aagtccttcg ccaccgttat catcgtggcg 120  
 cttttcttcg ccgccgccgc cgctccgct caggatttgt ctccggcgcc ggcaccggga 180  
 cccgatgccg gagcagccgg atccgtttcg agctcggtgg ccgtgattgg agctt 235

<210> 32756

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893681H1

<400> 32756

cctttctctc ccgaaccctc gatcactctc acgcgctcct atattcgctc ctccaccgtc 60  
 gctctctcga acaaccacaa caccatcttc atcacatggc aaacgcagca tctgggtatgg 120  
 cagtccatga tgactgcaag ttgaggtttt tggagctgaa ggcaaaaagg acacaccgtt 180  
 tcatagtttt taagattgag gagcagcaga agcaggtcat tgtggagaag ctt 233

<210> 32757

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893683H1

<400> 32757

ctactgtagg acacctgcag ctagctgac aagataagat catttctgca attaaagaag 60  
caggaaatgt taagaagttc tatccatctg agtttgaaa tgatgtggac cggactcatg 120  
cagttgaacc agccaagtct gcatttgcaa caaaggccaa agttcgccga gctattgagg 180  
ctgaaggaaat tcccttcaact tatgtgtcaa gcaacttctt tgctgggta 229

<210> 32758

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893685H1

<400> 32758

gttctgtttt gttctcattc tgtgactctg tgcttagtta acgttaacag tgacttaaga 60  
tgggcgattc tgcagatgtc acccagcatg ttgtgtccct cctctcttct cctcaaaggg 120  
actttcttct tcgaaacaac ggcatcatg ttaaaattga cagcttgaag ggtaagaaac 180  
ttgggttgta ttttctggca tccgtgtgtg gtccatgtca aacatttacg c 231

<210> 32759

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893688H1

<400> 32759

ctcgctttct ctgattcggc tcttctcgtc gttttatgga tccggcttct agaactttcc 60  
tttctcattg tttctcttct ctctcgtcga agccagaaat ttcttagatg atttggtgcg 120  
attcgtcttt tccttggtcg cttcaatttt tcaggtgatt gcagttttgt ggtgtaagga 180  
agattgatat gctgtgggaa aatgtcgttg aaaagcttag taaggga 227

<210> 32760

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893690H1

<400> 32760

cttgctttcc ccttcaatag caatggcctc tgcaacagaa gccattaata aattgttggt 60  
 catattcctc tttcttcaac aatattcctt attaataatg gcggatgatt cagtttcagt 120  
 tccagttcca gctgattggc cgcaacagtt ccaactcgggt ctgttcacaa accgaagcgg 180  
 cgatctccag aaaacggact tgtggtacga ctggcccaac ggtagca 227

<210> 32761

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893691H1

<400> 32761

tatatatccc tatatgtata ggactgcctc tttaatgaag acaggggaatg ttcaagggtgc 60  
 actggctgaa atcaaccgga ttcttggtt taaactttcg ttagagtgtt tggaattacg 120  
 gttttttatc tatctggccc ttgaggacta caaagcagca gtccgagatg ttcaagcaat 180  
 tcttaccctg tgtccatctt ataaaaaaaa aaaaaaaggg cggccgcc 228

<210> 32762

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700893692H1

<400> 32762

attgtgcccc aggacggcag ctatggtggt tggaggggtt gtacactggt ttgcaatgtg 60  
 gggaaaactt gccatttatg atcctcgtct tggagacagg tatatagcct tgattaaact 120  
 accaacaggt gtgttaacac atgagcatga ggaatctgtt cttggggagt catctgatgg 180  
 gcttttgcag tatggccaga gcaataattt gggcctggag ata 223

<210> 32763

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893694H1

<400> 32763

atcatcttta cgtgtttgtt cgagaccatg gccaaaagcc ccttcaagct tgaacatccc 60  
 ttggaaagaa ggcaggctga gtctgctcgc attagagaca agtatcctga tagaatacct 120  
 gtgattgttg agaaagctga aagaagtgc atcccagaca tcgataagaa gaagtacctt 180  
 gtcccagcag atttgactgt tggccaattt gtttatgttg tccgtaaaag 230

<210> 32764

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893702H1

<400> 32764

cagaagtatc gtgtggagaa cttgtatgag ggtcctcttg atgatcaata tgcttctggg 60  
 ctgttgatgg agagggtaga tgaaatatca tcagcccaga agtatcgtgt ggagaacttg 120  
 tatgagggtc ctcttgatga tcaatatgct tctgctatca gaaattgtga tcctgaaggt 180  
 cctctgatgc tctatgtctc caagatgctt ccagcatctg ataaggggag attttttgc 239

<210> 32765

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 700893703H1

<400> 32765

gcgtgatgca gtagataagg ctcttatgtc tttgctgagg caggatgtaa aagcttcttt 60  
 gacggctttg ttttaagcaca ttggcagtgt tgaagagcca agcacggatg atgtcattcg 120  
 t 121

<210> 32766

<211> 237

<212> DNA

<213> Glycine max



<223> Clone ID: 700893704H1

<400> 32766

aaactggatt cttcctgaaa tgccctgggct tataactgat tttctgattt ctcttgatga 60  
tcggtttagg tatgttgtaa actggcttca tggggatata aggcagtgtg acatcgagga 120  
cgttaaaaat cctaaactga ctggacaagt atgggttggt ggacttatcc agaaaggaag 180  
ccctgtagta gctataactg atgatgggtg aacatggcaa gctgaagttc cagagat 237

<210> 32767

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893705H1

<400> 32767

agccaacaca gagaggtaca gcaacgtggt tgtgggacta aacgacacca tggaaaacct 60  
ctttgcttcc ttggacagga atgaggctga gatttccctt tccaccttgt atgccattag 120  
cttgtgttat ggaaaatgtt cctttcatca atggaagccc tcagaacacc tttgtcccag 180  
gactcattga tctggccatc aataggaata gtttgattgg aggtgatgac ttt 233

<210> 32768

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893707H1

<400> 32768

atcagttgga atcaatcttg atatgtataa ttcccttggt agtaagaact acaaatttga 60  
acagcatctc atttcaggag tgaaaggagt gggaagaagt gggaagtctc ttcattataa 120  
agggagcaca ttccatagga ttataccgag ctttatggtc caagggggtg atttcacccg 180  
tggtgatgga agaggtggag aatcaatcta tggtgataag tttgctgatg aaaact 236

<210> 32769

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 700893708H1

<400> 32769

tttattttct gtatgtatgt gacatcatgc gtaaacagtg tgtcatgtgt gtttgctgtt 60  
ggtaggaaat atagagacta aacaatccat gtttttgcag gc 102

<210> 32770

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700893709H1

<400> 32770

attctactta ctttttctct taatccaaat atcatcatct gaaacgatgg ctgccatggc 60  
aaccacaacc ctctcttcaa acccgaaact ctcatcttcc cacggaaagc ccgttaacat 120  
attcttcccg cgtcgcaccc accaccaagt tattctcatc caaacaaggc acaatctcca 180  
tgtccctaac ccaaccccca tacgacctcc aatccttcaa attccaaccc atcaaagaat 240  
ccat 244

<210> 32771

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893713H1

<400> 32771

cttcatttct tactctcact gaaataaaat agcttgttca cacgatccta ttttttcaac 60  
tcatatatac aaatatatat aacatggctt ctacctctc tcgaagccta gcacttgtaa 120  
gcttttacat tgtcgttcgt gctgccggtta acttgaacca agactttcag cttacgtggg 180  
gagatggtcg tgctaaaata ctcaacaacg aaaatcttct cactctctcc cttg 234

<210> 32772

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893715H1

<400> 32772

atgggtggga tgatcctcgt ttgatgacac tagctgggtt gcggcgtaga ggcatgactc 60  
caactgcaat caatgctttt gtacgaggaa ttggaataac tagaagtgat ggcactttga 120  
tttctgtgga acgccttgaa tatcatgtta gggaagaatt gaacaaaaca gcttctcgtg 180  
caatggttgt cctacatcca ctcaagggtg ttattactaa tcttgaagcc aactcagta 239

<210> 32773

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893717H1

<400> 32773

aagagttctt cttttccttt tttatatata cttgggtgct aagctgtgtg agttcattga 60  
caagcctgaa atggcaacta tgctgacaaa ggagcatggt ctgaacctca aggagaccga 120  
gctttgcctc ggtttgctg gtgggggagg cggcggcggc ggcggtggtg aggtggaaac 180  
tccaagggcc actgggaaga gagggttctc tgagactgtt gatctgaaac ttaatctt 238

<210> 32774

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893719H1

<400> 32774

ctgcaatcaa agctcttga tccttcagga gcaacgctta attacaaaa aaaaaaatc 60  
aagtttctcc actacctaaa ttatgatgat ttggctcctg gtcacccaaa acaagaacag 120  
tgtttcagtt caagtctgtc tacaggcccc tctcttttgg cttttctgct taccctgtgg 180  
tttgggggaa aagccaaata ccgtgggctc ttaaatttgt agataagaat gcttttat 238

<210> 32775

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893720H1

<400> 32775

ggactatatt tatgggcagc acacgaccta gtatagttag attcgggtact tgtgttcttg 60  
 acccggttcc ttgcttccac aaaattataa ccgataaaat ccccttgata atgaaagtat 120  
 gttggaatgt ttgtccattt cataccaaca ttatctgtgt tgtagcttgt tttaatgggt 180  
 gtctgttact aagtttggag agatataagt caaaagtgc aagtatacac ata 233

<210> 32776

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893668H1

<400> 32776

catccctctt gatttgaagg ttgttttgtg cttatagata aaagttctgc caaatcaaga 60  
 ggggttttca gatcatagtg tgtgtgtgtg tgtgttaaac aatggctaag ttctttgctg 120  
 ctatgatctt ggcactcatt gccatttcca tgcttcaaac agtgggttatg gctgctaattg 180  
 agcaaggagg ccacttgtat gacaacaaga gcaaatatgg aagtgggagt gtc 233

<210> 32777

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893630H1

<400> 32777

attgaaatgg attgcatcta tgaaaacttt tgtgggtttg cttttcactt cctgttttct 60  
 gggtaagatt atgtttctgt tatgaggggc tagggaaggg aggtgtctta atttgataaa 120  
 aaaaataact gtgttcaaac acaaacagc ccatggcata cttatgaggc cactgcacgc 180  
 agctggaccc agaagtatgc catgggctga tttgtgtctg gataatgtat attgaaa 237

<210> 32778

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893631H1

<400> 32778

cacttggtcaa tcaatgcatt gataggggtgg ccagatcaga ccttgaccag atttcatctg 60  
 accaagagct tccaaatgaa ctctcacaaa aagttaaatt gctccgccgc aaccctcatc 120  
 gagatgttga aaacgatgct tctatagtgg atgctttgtc tctaaaaaga atcactagaa 180  
 tactcaaggc attggattca gatgatgttg agcttggtta acttctttta aatgaatca 239

<210> 32779

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893634H1

<400> 32779

gcaagctaca aagatgaggt ctcagataca tcttttgtgg ggaaccttgt tgtatgaacg 60  
 ttctgttgtg gaataaagc ttggccttcc cacatgggag gaatcgtttg gaggttgcag 120  
 tcgaaaagtt tgaactagct gggacttctg caacggatat tgctttcatt gtaaagaatc 180  
 actgctcaaa tgaaacagca cttgaaggat tcaaaattga tgagatagta caggcatgga 240

<210> 32780

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893637H1

<400> 32780

cgagaaccag ttgaacggaa ttttcatttt agccgaactt taagtgtcgg aaggcttcgt 60  
 gacagagttc tccgtcgatc aacattatct gacctcacct tttcccttt gcaacaagag 120  
 acagagctga gagatgctag cctgcctagc caggatatgg acaggcaagc agtggaggga 180  
 aattcaagag tgtcaccatc tgatcatagt accattaatt cttcaacaaa taga 234

<210> 32781

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700893638H1

<400> 32781

gttgggagct caagctaaga aagggaaaga gaaagatcac agaaagagaa ttcattcttc 60  
 tttgcgaaca gctaaaaacc tcaaagggaa agaaggcatg aatagagggtg ttcttcagag 120  
 ctcaccagtg caacaaatga tgactgcaaa ccctaactgg tggaacatca atatcaatag 180  
 catggctcca caagctcctc ctttcttctg cactcctcac aa 222

<210> 32782

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893639H1

<400> 32782

cccaaaggggt gctaaaccag ttgttccga gagtaagatt gtagccaatg gggttgtttc 60  
 taatgggtgtc taagctctac tgtgtttgaa ggaggcggtc caatacacct cagtggcata 120  
 tattgggtgtt cttagaagta tatttatcag caatttggtg cgcgccggat ttgatctgtc 180  
 ttgccttctc ttgcagtctg aagatagtgt gattgggtgc ctagtgaaga taaag 235

<210> 32783

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893640H1

<400> 32783

atacaagcct attccgaagc cagtgtataa gcctattcca aagccagttc cagtgtacaa 60  
 gcctatacca aagccagttc cagttccagt gtataagcct attccaaagc cagtgtacaa 120  
 gcctattccg aagccagtgt ataagcctat tccaaagcca gttccagtgt ataagcctat 180  
 tccaaagcca gttccagtgt ataagcctat tccaaaacca gtgtacaagc ctattcc 237

<210> 32784

<211> 151

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893641H1

<400> 32784

ctcgagccgt tcccaacctc cgcgtcggaa ccctagactc tctcctctcc ctcagcgatg 60  
 aactcgccaa gtccaacaat tctcgtcgaa ggtagtcatg cgcacaagat caggacgcca 120  
 agatctgatg gagctncgat gagagttgtc c 151

<210> 32785

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893642H1

<400> 32785

aattcacacc cacataccaa cacaatctct ctgaattgaa acccaccatg ttgattaaag 60  
 ggcacaaat taaggcacca attttgggtcc tcaatttgtt ccttgtccta atttgttcca 120  
 cagcttcttc cgtcaacgtt gttgaatcaa ggaaacttga tgagaccact ccagtgcctg 180  
 ccacaaacgg tactgaagaa aagtgtggat catgtggtgg ctacacttat ccgt 234

<210> 32786

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893644H1

<400> 32786

ggccaggcaa gcccactca accaccacac ctctctctgt tcacgtacc cctttctgct 60  
 cttcttctac ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc 120  
 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180  
 cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat gca 233

<210> 32787

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893646H1

<400> 32787

ttctttctctt gcggctaggg ttttagcgca ttcttctaga ttttaaggaag atgggtaagg 60  
 aaaagggttca catcagtatt gtggtcattg gccatgtcga ctctgggaaa tccactacca 120  
 ctggtcacct gatttacaag cttggaggca ttgacaagcg tgttattgag aggtttgaga 180  
 aggaagctgc tgagatgaac aagaggtctt tcaagtatgc ctgggtgctg gacaa 235

<210> 32788  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893647H1

<400> 32788

cagaggcatt acccttcttc agaggatggg aattggcctt gtaatccaca cactgatcat 60  
 gatcattgca tctgggactg aaagctatag actcaaggtt gcaagagaac atggggtagt 120  
 tgaaagtgga gggcaagtcc ctttgagcat attcattttg cttcctcagt ttatactcat 180  
 gggaactgct gatgcattct tagaggttgc aaaaattgag tttttctatg atcaa 235

<210> 32789  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893648H1

<400> 32789

ctgctcgagc tcgagccgat tcggctcgag actgaactca tctcactaca ttaatatcc 60  
 cttgagtttc attaattgtg acatttagct ttttttattg aaccgtgtca atggccgcta 120  
 ctatgaaggc tttagctttt gttgctttgc ttgttaccat taatgcaata gtgtgtgaaa 180  
 gtagagtggc gagaaaggac cttggattgg accttggtgg ggtgggaatt ggggtgg 237

<210> 32790  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893649H1

<400> 32790



ctcgagccga atcggtctga ggtcgtcgcg tgtactttct tgcgacaaca gaagggcgaa 60  
 gaggcaaaca caactttttt gattttttgt agagcgagag agaaaaaat gttggggatc 120  
 ttcagcagtt ccgtggtgtc gccgccggag gagctggtgg ctgccggcag cagaacgccg 180  
 tcgccgaaga cgacggcggg gaagctgctg aaccggttcg tggagaacaa ggcgtcggcg 240

<210> 32791  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893650H1

<400> 32791

gaaaccaaca ttttcgaatg gagtgtcacc ataattggac cgcccgatac tctttacgag 60  
 gggggatttt tcaatgctat tatgagtttc ccatccaatt acccaaatac tccaccttca 120  
 gttatgttca cttcagagat atggcatccc aatgtatatc ccgatggccg ggtttgcata 180  
 tcaattcttc atcctcctgg tgaggatcca aatggttacg agcttgcgag tgagcgc 237

<210> 32792  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893651H1

<400> 32792

attttccctt ttcagctttc attggtgtgg cctagctgtt ttctcaatga gaaagccttc 60  
 atctctgcaa agcgacttt tgcgctttgg ggttcccttg ttgcttgta tcaccttctg 120  
 ttatgctact tctactgctg cagcaacaac tcaagtttca gggaatgaag agctgccaaa 180  
 gacaaaccta aatgggcatg atgaagaagc aaaattcgga ttttttcata ataaa 235

<210> 32793  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893652H1

<400> 32793

ggcgtcttca taaacgccgc ccaaaacttc tcatacccggt ttattcattc cattcgtttc 60  
 tagggttttc tattctttgc cgagaaaatg agagagtgc tttcgatccc attggccagg 120  
 ccggtatcca ggttggaac gcctgctggg aactctattg ccttgaacac ggcattcagc 180  
 ccgatggaca gatgccgagt gacaagaccg ttggcggagg agactacgcc ttca 234

<210> 32794  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893653H1

<400> 32794

gaacaatccg ctgtacattc agagcttcac ggaggccgac gatgctctta agtccacca 60  
 catcgccat tgctcgctcg atgtggtcga cgagcgagt aacaatccta aaaagtctgg 120  
 accgatgctt aatgagacgt ttttgggact gctttatcct attgaaaact acaaagtata 180  
 tggatatctg actaatcga aggtgaaatt tatcttggtg accacggatc tggat 235

<210> 32795  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893657H1

<400> 32795

aaactgccag ccatgccaac aagacattga gaattactgc agcaagaaga tctggtctta 60  
 caatgatgtt tatgtcgatg gaaaacccac acaggggtggc tttgctgaaa ccatgatcgt 120  
 tgagcaaaag tttgtggtga agattccaga gggtttggcg ccagagcaag tggcaccatt 180  
 actgtgtgcg ggtgtgacag tgtacagtcc actggtacac tttgggctga a 231

<210> 32796  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893658H1

<400> 32796

cttcaatttt ttcttcaaaa gcttcctctg tgggggaatt tattgttctt tgcaatatag 60  
 ataggaaaca ccaccatagt ttttgtgtaa cttaaacgta gaaaatatta tcaagttggt 120  
 gcacaaatca ttatgggtac tctcatgctt ctcaagaagt tcaccctcct ctttctcctc 180  
 atttctggat cacttttata aacttccttt gcaggtagag tacgatcca 229

<210> 32797  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893659H1

<400> 32797

cttttagccga ggtcaggagg agcactagct aagttcacia tttcaaaatg gctaggggac 60  
 taaagaagca tttgaaaagg ctcaatgctc ctaagcattg gatgcttgac aaactgggtg 120  
 gtgcatttgc gcctaaaccc tcctctggac cacacaaatc gagggagtgc ctccccctca 180  
 ttcttattct gcgaaaccgg ctgaagtatg ctctgacata ccgtgaagt 229

<210> 32798  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893660H1

<400> 32798

ggcgggtggat atgggtggtc tagtggcggt ggcgggtggcg gtggtggata ccgtagccgt 60  
 gacgggtggtt atggcggtgg gtatggtggt ggtggtggtg gtgggttatgg cggtggcaga 120  
 gaccgtggtt actctcgtgg tggatgatgg ggtgatggag gctggagaaa ctaaggcttg 180  
 atgtcgtcaa ttaggggttta tgattatgcc ccgtattttt agttgttg 228

<210> 32799  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893661H1

<400> 32799

cattctctct gtgtatttcc ctacctctcc cttcaagatg cagattttcg tcaagaccct 60  
 caccggcaag accatcaccc ttgaggtgga aagctctgac accatcgaca acgtcaaggc 120  
 caagatccag gacaaggaag gaatcccccc ggaccagcaa cgtctcattt tcgccggaaa 180  
 gcaacttgag gacggccgta cccttgctga ctacaacatt cagaaggag 229

<210> 32800  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893663H1

<400> 32800

atcgaaagaa aaaagaaaca ataacaacta aacaagcacc ataaattttt taaaacctct 60  
 cttcttttct ctccatcgct gccggagaat gaacattccg gcgaccctaa cttccccgctc 120  
 gatgaataat gctcgtctct ccgaccaccg tcgccacgctc ttccacacaa catacgaacc 180  
 atattcatcg acggggaagt tagggctgcc ggaatgttca ttctccggca gcgatg 236

<210> 32801  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893664H1

<400> 32801

cggtcgagcc gctcgagccg ctcgagccga tccaagcaag caggggacgt gggggtatta 60  
 tgtgtcaga ggtacaaagc tcttcaaaac ccaaagaaca gctccacgga ccagccctac 120  
 tgctctgctc tgcaatggcc gacgaggaac ctgttgatca gaagagatat cttgaagagt 180  
 cttgcacacc aaaatgtgta aaaccattac tggaatacca ggtgggc 227

<210> 32802  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893665H1

<400> 32802

cagatatata tcgtattgct agttgtggca tggataatac tgtaaaaata tggctctatga 60  
 aggagttctg gacatatgta gaaaaatcat ttacatggac tgatcttcct tctaagtttc 120  
 ccacaaaata tgtccagttt cctgtataca atgcttcagt tcattttaaatt tatgttgact 180  
 gtaatagggtg gctagggtgat tttatcctct caaagagtgt tgacaatgaa attatc 236

<210> 32803  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893629H1

<400> 32803

tagaaactgt cgtgaggaca aaagaagaag tatcactcat ataatactct gtatcatttc 60  
 atttcgataa tcatccatag ctactgaaga aaatggcaac catctctgct gctatcacia 120  
 ccccatcgat ctcccgcgca actcttggtc aaaagcgggt ctcatctccc gttcttggtt 180  
 tgccagcaat gggtaagggtg ggaagagtga gttgctccat ggaggaaaaa ccttattc 238

<210> 32804  
 <211> 221  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893589H1

<400> 32804

gatagaagcg taacagcgggt taccctaacc tcgtcttcct ctctactaat ttcagctatg 60  
 gccgacgaag ctgtggttgt tccagatccc acccagatcg atgtcaagct ctttaaccgc 120  
 tggagcttcg aggatattga gggtactgac atttcactgg ctgattacat tggagttgcy 180  
 gcatccaagc acgccacata tggtcctcac accgccggaa g 221

<210> 32805  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893590H1

<400> 32805

aacggcaaga ctttcaatca ggttgaaatc aaacccgaga tgattggcca ttatctcgct 60  
 gagttctcta tttcatataa acccgtcaag catggtaggc ctggtattgg tgccactcac 120  
 tcttcaggt tcattcctct caagtgaag ccttaccgaa actcttgta gattttcttt 180  
 ttatttaagc attttatttt tcacttgtct gtctatcatg ac 222

<210> 32806  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893591H1

<400> 32806

aaagcttctc tctctctctt tggtcctttc tccatcacta ggaggatttc aaattgggtca 60  
 ttgaggggtg ctcaaaagct ctgcttctgg tcaaacggga caaagtggat ctcaactcata 120  
 tgaagagact tacaactttc gtggatgggt ttttggatct tgcattgttc agctgtagca 180  
 catggacagt gtggcgcagc tcatgctgca atcagat 217

<210> 32807  
 <211> 214  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893592H1

<400> 32807

atggaacagg aatgggtaag gctggatttg ctggagatga tgccccacgt gctgtgtttc 60  
 ccagcattgt aggtcgtcct cgtcacactg gtgtgatggg tggcatgggc caaaaagatg 120  
 catatgttgg tgatgaggca caatctaaga ggggtatttt gactctcaag taccocattg 180  
 aacatggaat tgtgagcaat tgggatgata tgga 214

<210> 32808  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893593H1

<400> 32808

ggccattcaa atgtcttctt ttgtctttgt ttctcttaca attttatttt gcttctcttc 60  
 cttggagaag agttttgcct ttcaaacaac aaaggaggta cacagaaagc aacaatcttc 120  
 atcaatatac tcatcttggt cacctcagct cactccttcc ttcactcttc tgcagctctt 180  
 ctgccaaagg tcgcaaaaga aaagcatcat tagaagtggc aca 223

<210> 32809  
 <211> 68  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893595H1  
 <400> 32809

tgaagagcga cgagaatggc tcccaagggt ttaatctttt tgcgctgtgt tatggcttct 60  
 cagcactg 68

<210> 32810  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893601H1  
 <400> 32810

aacaccttgg atccttatgc caatatgaac gagcactgtc cttcccttcc tcccacttat 60  
 gacaggccct tgaaatgta gtctcttctc cggcatttcc attttctgat ttgcctgtta 120  
 tccatgatct caaggtacct aatagtttgc tattgtggaa agtgcaccac ggaacttcgc 180  
 ctttgccttg tcaagttgac taagggacat tgtatataac aaatttatat tgggtgggatg 240  
 gtgtga 246

<210> 32811  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893602H1  
 <400> 32811

ttcattttca gaggaatgat catggaagaa tcctcggtac acgagatcaa aacccctctc 60

ctgtcatcta acaaggagga agatgaagtt ggaagcagta ctagccatag gcagcaaaat 120  
 gaagagaact cgcccataaa acaagtggcc ctaacgggtgc caaccaccga tgacccatct 180  
 cttccagttc tgacgttccg aatgtgggtg ttgggaactc tatcatgcgt gctgctgtcg 240  
 ttcct 245

<210> 32812  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893603H1

<400> 32812

ctggcatcag tggggctccc caagacaata atattatgct ttggaatgct gttatctttg 60  
 gaccagatga cacccttgg gatggaggta cgtttaagtt gacacttcag ttacagagg 120  
 attatcctaa taaaccacct actgtgcgtt ttgtttctcg aatgtttcat cctaacattt 180  
 atgcggatgg cagtatatgc ttggacattt tacagaatca gtggagccct atttatgacg 240  
 tag 243

<210> 32813  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893604H1

<400> 32813

cctcgtccta tttctcagtc tctgtgtttg cggctgagga ttccgaacga gtgaccttca 60  
 gtcgttctcg caaagttaa gtaatcatgg gtaaggaaaa gggtcacatc aacattgtcg 120  
 tcattggaca tgtcgactct gggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180  
 gaggtattga caagcgtgtg attgagaggt tcgagaagga ggctgccgag atgaacaaga 240  
 g 241

<210> 32814  
 <211> 232  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700893606H1

<400> 32814

cgaatcccca ataaggccat tattagttct agggagattt catcaaacag tactgcatct 60  
 gatgatagac gatttgtgag acacatcatt actttttcaa agatctggag cagcgaacaa 120  
 gaatacaacg gtcgatgctc gttatgcagc agaaaacaga tctcgcaaga tggcagaata 180  
 tgtagcattt ggaggcctgt gtgtcctgtt ggatatatat atattgggga ta 232

<210> 32815

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893607H1

<400> 32815

attttaattt cctctcaaac cctaacccta accctaacc tccccgtcac aaaagaaaac 60  
 cctctttgtc cgatcatcgt cgtaagatg ttggaactcc gtctcgtgca aggtccctc 120  
 ctgaagaagg ttttgaatc cgtaaggag ctcgtgaacg acgcgaactt cgactgctcc 180  
 tccaccgggt tctccctcca ggccatggac tccagccacg tcgccctcgt cgctctctt 239

<210> 32816

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893608H1

<400> 32816

gaccagtgtc gttagggttc accgacagga ggaggctgac ttgttataca tacccttctt 60  
 caccactatc agcttcttcc tcatggaaaa acaacaatgc aaggcccttt atagggtgaa 120  
 gctttgaagt ggatcactga tcaacctgca tggaagcgct ctggtggcag agatcacata 180  
 ctccccgtgc atcatccctg gtctttcaag tctgttcgta gatacgtgaa gaatgcaa 238

<210> 32817

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893609H1

<400> 32817

agagaagaga gtttcaagaa tggggagcga agaggagaag ggtgaattct acttgcgata 60  
ctacgtgggc cacaagggca agttcgggca cgagtttctg gagttcgagt tcagaccgca 120  
tggcaagctc cgctacgca acaactccaa ctacaaaaac gacaccatca tccgcaagga 180  
ggtttacctc aaccctgccg ttttgctga gtgccgccg atcatcgccg agagcga 237

<210> 32818

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893610H1

<400> 32818

attccaatat attccattct ctctgtgtat ttccctacct ctcccttcaa gatgcagatc 60  
ttcgtcaaga ccttcaccgg caagaccatc acccttgagg tggaaagctc tgacaccatc 120  
gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggaacca gcaacgtctc 180  
attttcgccg gaaagcaact tgaggacggc cgtacccttg ctgactacaa cattcaga 238

<210> 32819

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893611H1

<400> 32819

ctctccgcat cgctgcgttt tccgaatcga aaggtagcga agtaacaatg gtggaggcca 60  
agggtaggaa agaggaggtc gtcactcgag agttcaccat caacctccac aaacgcttgc 120  
atggctgcac attcaagaag aaggctccta aagcaattaa ggagataagg aagtttgctc 180  
agaaagcgat ggggacgaat gatgtgagag tggatgtgaa gctgaacaag gctgtgt 237

<210> 32820

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893613H1

<400> 32820

caatctacaa ggtacctatg tagattgtga ttcccggtgc cttgaaatcc tccgagtaca 60  
actatttcaa gtgatcgagt taatgaagtt aatttgacat tggtaaaaaa aaaaaaaaaa 120  
aaaaaaaaaa gggggggccc ccgattaggg gccccgtcgc cccgggaata aatcccggac 180  
gggccccccg ggggtaccag tttcccccaa ggggggccgt attagacctg ggggaaac 238

<210> 32821

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893614H1

<400> 32821

gctagttcta ttgtaaaact ttttacgtgt cctgagcaag ctgctggtgt acaccttccc 60  
ccaaggataa ttttagactg acttcaacca gcaaagtgtg tcttttctgt atggatgtat 120  
aatttagctg tagcatatag tgaaactaat ttagccttca atcctattat tttgttgggt 180  
ttgtttgtct aggttttaat tgtgtataat atgtaatctg cagctagtgc tatgtgtga 239

<210> 32822

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700893615H1

<400> 32822

caaaacctga agcctagaac cttcttccgt ctcacagttt gccggaatca gcgatggatc 60  
ctcagcctga gccagttagc tacatctgtg gagattgtgg aatggagaat acgctgaagc 120  
ctggtgacgt tatacagtgc cgtgagtgcg gttaccgtat cctttacaag aagcgcactc 180  
gtcgcattgt ccaatacgag gcacgctgaa gaaaactgct ctgacattgg caagtaattt 240  
c 241

<210> 32823

<211> 110

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893616H1  
  
 <400> 32823  
  
 actaccgtcc cctcgcccca gacttcacgt cccaccgcca cctccactcc cactcccact 60  
 tcctctcctg ctctgtgtgc ttgcctcct gggagaagca ggtccgccag 110  
  
 <210> 32824  
 <211> 151  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700893617H1  
  
 <400> 32824  
  
 aaaagcatgg ttgtatgaca atttgggtac tcgtgtttat tcagaagcac cnggacgttg 60  
 gtgcacaacc atggcttata gtgctgatgg tacaaggctc ttttcattgtg ggacaagcaa 120  
 agatggggaa tcctccattg ctgaatggaa t 151  
  
 <210> 32825  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893618H1  
  
 <400> 32825  
  
 actcgagcga ttcggtcga gtgtagattt gtgatacaca taaaagccgg ggcatacttc 60  
 gagaatgtgg aggtaatcag gaagaagacc aatctgatgt tcgtcggaga tgggattgga 120  
 aagactgttg tgaaggccag taggaatgtt gtggatggct ggaccacttt ccaatcagcc 180  
 actgttgctg tggttgagga cggattcata gcaaagggtg taacctttga aaattctgct 240  
 g 241  
  
 <210> 32826  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893619H1

<400> 32826

attggaaggt taaacttggg agaagggatt ccacgactgg ctttttcaac cgtgcaaaca 60  
gtggtgtgct tccaggaccg aattcttccc tcagcagcct tatccaaaga tttgatgatc 120  
aagggctctc taccaaggac atggttgcat tatcaggagc acacacaatt ggaaaggcaa 180  
ggtgtgtcag ttatagagat cgcatataca atgaaaacaa cattgacagt ttatttgcca 240  
a 241

<210> 32827

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893620H1

<400> 32827

ctcgagcgtg cggagagaga aattgagttt ccgagataac cagttttctc tttgattcat 60  
caatggcaac tgcgaggaca ctgaaggatg tttcgctca cgatttcgtg aaggcttatg 120  
cttccacct caagcgttcc ggcaagatgg agcttcctga gtggaccgat attgtagaaa 180  
cagcaaaatt taaggagttg gctccatag atcctgactg gtactacatt agggctgc 238

<210> 32828

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893622H1

<400> 32828

cacgcatttc ctggtttttt tcttcccttt tctctttctc cggcgacgat ctgagattcc 60  
ggccactcct ctgcccggcg agcccttact ctccctcct ccgtcgagcc ctctccgatt 120  
cgaatcgttc ccagcctcgc accaccatga atcccgaata cgattatttg ttcaagcttt 180  
tgctgattgg agattctggt gtaggcaagt catgtcttct cctgaggttt gctgatg 237

<210> 32829

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893624H1

<400> 32829

cctttgcaaa catctgcaat gtagggataa agaatgagca aatggctgag gcctctgcac 60  
aagcttgtgt ctctattcct tccaatcctt ggagttctct gcaaaggggt ttcagtgcac 120  
aataattcct gtaatgtgca ccagtaaaga ccaaagtatg attattgtta cattatgcta 180  
tatgattgta cttgtatata catatcttct cccgcctttg taaatacaat tgggac 236

<210> 32830

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893627H1

<400> 32830

aagatctctg tgttgtcatc acacttcgct agatccagcc ccatcatggc ttcagagaag 60  
caagcggctc ttgccgtcac tccctctgat gctgatgctc ctaccatatt tgacaagatc 120  
atcaataagg agattccttc tactgtgggt tatgaggatg acaagggtgct tgccttcagg 180  
gacataactc ctcaagctcc tacacatatt cttatcattc ctaaattcaa agacgg 236

<210> 32831

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700893586H1

<400> 32831

tgctcatcaa gtccaagaac caacctacct ttgcaatct caattcaatg ggcctcctc 60  
tcattgcgaa cgcttcctct cctcttcctt cctctccagg tccctccttc gccccgccgc 120  
ttccgcttcc caccgctctt tcaacaccaa cgccatgcgc cagtatgaca accgcgccga 180  
cgaccacagc accgacatcg atcgtcactc cgaacgctc 219

<210> 32832

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893543H1

<400> 32832

aagagaagca aggagaaaga gaagggtag aaggcgaaga agcatggctt cactcaagaa 60  
gaagaaacct tattaccgc ttccgttaat tcctatctat tactacttct tattcaaagg 120  
gtgatatgat cttcttcttc caagagtctc atgcatgcta ctttcttctc tcttctcggg 180  
gaattgaagc gttgtggtcc gattgtttgc tagatcaagc aaattaa 227

<210> 32833

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893545H1

<400> 32833

agttaatagg tctttatatt tagttgttga catcaacaaa gtcattggagg aagttaatgt 60  
ggttcaaacc aagaatggaa ctggtgcagt agcttctgcg tttgctggac ataaggaagc 120  
tatacagcaa agggaccaca aatttttaag aattgctgtt gaagaagcct ataaaggggt 180  
agactgtgaa gatgggggtc cctttggtgc tattatagta tgtaat 226

<210> 32834

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893546H1

<400> 32834

tttcttctt cttcttcctt ccttcactcg tatatcactt ctttctcgt ttcgttaacc 60  
ttctaattca atccattcct cacttccttt tcaaccgaag cttttctccg ataatgcag 120  
agagaaagaa taatggattg gggaaacgta accgcggagg atctgatcga cgcgctccgg 180  
aggtcgattg gtcgtcgccg ccgcgcccgc tgtcggaatt cttctcg 227

<210> 32835

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 700893547H1

<400> 32835

aatatatcat tcaaaagttt ttgaaatgtt gtcacccctt cttctatttc tatgcctaac 60  
tcttcctttg tttttgttgt ccttcttcaa ataccgtaaa accttcaaga atccaccact 120  
tccacaaggt 130

<210> 32836

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893549H1

<400> 32836

gctcgagctg aaactttgtt taactttctg ttcctaaca tcccagtatt aaaatattgc 60  
ttggcggtga actttgatat ttcagttggc gcgttaagtt taaacctttg gtttcttcta 120  
tttgtagatt gaagatgata aaacaatcat accacggaat tcattgggtg atgttaacca 180  
gtcgggtctt ctgatggta ttattatcga cattactcct cggt 224

<210> 32837

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893551H1

<400> 32837

ccgttatgtt ggaccgcatt ttgcggctct tggcttgcta caatatcctt tctttttctc 60  
tccgtactct cctgatggc aaggttgaga ggctctatgg tctcgcccc gttgctaagt 120  
acctgggtcaa gaccgaagat ggtgtctcca ttgctgctct taacctcatg aaccaggaca 180  
aagtcctcat ggaaagctgg tactatttga aagatgctgt ccttga 226

<210> 32838

<211> 115

<212> DNA

<213> Glycine max



<223> Clone ID: 700893552H1

<400> 32838

atattaaata ctattatagg cagagattca taattcagat tagccgaact ttatacagaa 60

gcgaccaatt accaaacatt agacgcgaga ggctgagcgg aggaggccgg gtggg 115

<210> 32839

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893554H1

<400> 32839

gtgagacaca cacggtcact gcccagattg atccacagaa cacagaacac gaacaaggta 60

aaaaaaattc gagctttatt tgtctcaa at ggcaa atgaa gaggagcaac aacaacaaca 120

acaacaccca ccttacgcat acacctta at tctgaacatc ttcagcaaga ggagaacatg 180

ggcatgtcta tttctggttg tttacggtac ccttttggca tcttca 226

<210> 32840

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 700893555H1

<400> 32840

ccaaacgaca gttgcgtcag aactacgctg tagaatatca tcaccatcaa agtgtttcgt 60

tggaagggga atttggcaga tcattggaag aaaatggcgg gtggtggaaa ggtttcgttc 120

aaagtcacac tcacctccga tccaaaatta cccttcggag tgtttagcgt tccagaggct 180

gcgcctttta ctgccgttct caaatcgcgc gccgaaga 218

<210> 32841

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893558H1

<400> 32841

atttgaagtg acatcatgaa tatggagggg cagaagaaaa acaagagggg ggctgttttg 60  
 gtgggttgca attaccccaa cactagcaat gaattgcatg gttgcataaa cgatgtgttg 120  
 gcaatgaagg acacgctgga gaagcgcttt gggtttgatc cctctaacat tgagcttctc 180  
 actgatgcac ctcaactcttc taataaattg ccactgggtg ctaa 224

<210> 32842  
 <211> 224  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893559H1  
 <400> 32842

aagcaattgg aagtgggtgga gctcagcgag aacgcgctca ccggaaccgt cgagtcgtgg 60  
 ttcttccttt tgccgtcgct gcagcaagtg gacttggcca acaacacctt cacgggggtg 120  
 cagatctcga ggccactcga ggcgcggtgag ggaagcagca acagcaacct cgtcgcgctc 180  
 aacctcggtt ttaacagaat ccgaggctac gcgcccgcga atct 224

<210> 32843  
 <211> 80  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893560H1  
 <400> 32843

atattaaata ctattactgg cagagattca taattcagat tagccgaact ttatgcagaa 60  
 gcgaccaatt accaaacatt 80

<210> 32844  
 <211> 101  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893561H1  
 <400> 32844

gtgaagatgg ggtcagaggt gtctaaacag atggcgcgaa gaaagacaat ccagacagag 60  
 aagaagagtc tgtccgatct gaaaagcagc ggagaagact a 101

<210> 32845  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893562H1

<400> 32845

caaggatatc cagtctctac aggaggaact gacagctggt tctcagaaga gggacaaggc 60  
 ttttgagagc atgcagcagc taagaaaaca gcgcgaggag gggaacacct atttctacca 120  
 aagtcgtaca gttctgaaca aagcacggga gctggctgca aagagcgata ttaatgctct 180  
 tgatgaagtt tcacagacag aggttgagaa atttatggca ctctggaaca 230

<210> 32846  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893563H1

<400> 32846

gttttcttat gacaacatct taaacatcgg gaaccggtta aaaatgtcac ttgtctgatt 60  
 atcaatcagc cttgtctctc gggatacctg cagacgctag ctatgttgag aaagtggtag 120  
 tggtaacagc tcaagtaata taaattgtac tacaatcctt cttgaaataa aataaaagcg 180  
 taaatgtctt gttcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggc c 231

<210> 32847  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893564H1

<400> 32847

aggtgttggg gtcttgcctc ttttgggaac aagctttttc cagtttgggt gattccatat 60  
 ttgttaccca ttctttttac catacgggtg tttccatcat tcattcttgc atggtgttct 120  
 atagcaacat ggcttcagtt ttgagattgc agagtcaatt gtgattggaa agggaacttt 180  
 ctgtagaatg tgtatattat gagtgttaat agtgcgattg agtccaaaag a 231

<210> 32848  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893568H1

<400> 32848

gaggatttga agcaatatga gcctgtttac caaattcggg ttacgaaaga actctttcaa 60  
 gattatcatg attatttgaa gcaattgaat ctataccgcc agagggtttg gatgtgtaaa 120  
 gtcactggaa aaactggcct gacttatgaa gaggccttgg tgtctgaaca acttgctacc 180  
 gagaaagttc aacagtttcc taaagaactg atgactgttg ctttaag 227

<210> 32849  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893569H1

<400> 32849

gagtggtttc agtgagtgat cgggtgttcac ttgatccttc ataagtcgtc atcatcatca 60  
 tcatcatcac cggtgattga agaagatgcc gatcagaaac atcgccatcg gaaggcctga 120  
 agaggctact caccgccaca cggtgaaggc ggggttggct gagttcatct ccaccttgat 180  
 cttcgtgttc gccggttcag gttccggcat cgctacaac aagctc 226

<210> 32850  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893570H1

<400> 32850

caagattgac aggcgatccg gcaaagagct tgagaaggag cccaagtttt tgaagaacgg 60  
 tgatgctggg tttgttaaga tgattccaac caaacccatg gttgttgaaa ctttctccga 120  
 gtatcctcca cttggtagggt ttgctgttag ggacatgcgt caaactgttg ctgtgggagt 180  
 catcaagaac gttgagaaga aggatcctac cggagccaag gtc 223

<210> 32851  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893572H1  
  
 <400> 32851  
  
 aaagattctt gttttgcacc gtttcacaaa atgccacaaa gaaaagggtg cagttctctg 60  
 aatgagcctc gtcttggtgc caggaaattc ttggcacgac ctcagattga ggggtgttggg 120  
 actgttggtta gaagaagcat aggagggtta gtagtaagag aaaatgaaaa aaaaaaatta 180  
 aaattaaagc ttcaagaccc ttttttcaat ttgcatcaaa a 221

<210> 32852  
 <211> 224  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893573H1  
  
 <400> 32852  
  
 attggttggt gagtcattat tggagttgct ggatgaggag agtttgagga aggacacagc 60  
 acttccttca cctgaatggt cctcagatca cattgctctc ttagctgagt ttcgctgctg 120  
 caagaataaa tctaggcgtt gacagttaag gtcactttca gtgatacata cagaaaaagt 180  
 ctgaaagaag catttggttg gtaagttttt tgtaaaaatg gtag 224

<210> 32853  
 <211> 224  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893575H1  
  
 <400> 32853  
  
 cctcattctt cttcttcgtg cgtgcgtggt tctgtaaaat cgaatctcaa gtctctgaat 60  
 ctgaatctca acacaacctt cgatatactc aacactgtgt tcgtttttgc tgccaagggt 120  
 acaacactga aagagacacc ggagtaacat aaataagatg gaccaacaaa accaaaataa 180  
 cactccagat gggttcaggag aggtgccttt gaagcgcaaa cgtg 224

<210> 32854  
 <211> 115  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893577H1

<400> 32854

aaacaagagt ggcacattta atttccttaa gagaatatta aatgtgccac tcttgtttac 60  
 atgcatgttg tagttctatg cacgtaaaca agagtggcac atttaattatt ctctt 115

<210> 32855  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893578H1

<400> 32855

gtgcgagcac cacaagggga agaagaggaa gatcttccgg caagtgttct ggtgcttagt 60  
 ggtgttcctt ttcacgtgc tggtcacaat tcttttgata tgggcaatcc ttagaccac 120  
 caaaccacc ttcacgtcc aagacgtcac cgtctacgcc ttcaacgcca ccgtggcgaa 180  
 ctctctact tcgaattttc aggtcacgt catctcgcgt aaccg 226

<210> 32856  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893579H1

<400> 32856

acactacca tccatcattc gttttctctc tagatttttt cagttagtta ttgctgtctt 60  
 ctttttgtgt gtgccaacaa cacagaaaga gagagaaaga catggctctg aaccaatcaa 120  
 aggccgtgtt gttgagggtg agtttggtgg tggatgatcgc tgtgtatagc aggatacata 180  
 gtgggtcccc ctctctactg gcatttcgtt gcagtgaaca accactcttc 230

<210> 32857  
 <211> 232  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893580H1

<400> 32857

cctcgagccg attcggtca ggttggtcct tcacctttct tatactcagg aaagtaagat 60  
catctgcatc gccgacgctt ccaacaataa caatggccga taatgcaaca acgcaaggaa 120  
gcaacaccct attttctcct tacaagatgg ccaaattcaa cctctctcat aggggtggtg 180  
tggctcctat gacaagatgc agagcgttga actggattcc acaggcagcg ct 232

<210> 32858

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700893581H1

<400> 32858

ctcgaagcac aattagcaaa gaacagtgtc ccagatggta aatttactgg gagatgagaa 60  
cacaactgca aattacctga gcaagtgcatt ttattcaatt ggaatgggta gcaatgatta 120  
ccttaacaac tatttcatgc cgcggttcta ttccagcagc aggcaattca caccacagca 180  
gtatactgac gtgcttggtc aagcatatgc tcaacaactg aggattcttt acaaatatgg 240  
gg 242

<210> 32859

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893583H1

<400> 32859

aaatcaagga actcagctat gactaccaga gaaatccttc aaaagatgaa ggtaaaagtt 60  
ggtttggtt catcagaccc tgactcaggg aaaggaaaga gcaagatgtc aaagaacata 120  
actcatggtt atcatttggt gaaaggaaaa tcatatcatg acatggagga ttacgttggtg 180  
gctcaattta agcaaataga taacaatgaa ttgggtttgt ttgc 224

<210> 32860

<211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893542H1

<400> 32860

tccacattca attatcaagt ttacacata tgaaagcttg aagcaagtga tgccatctag 60  
 tattcaaccc aactcgttta agactgtagt gtgtggacga ttagctggat ctacggctgc 120  
 ttatttcacg actccttttg atgtgatcaa gactagatta cagacacaga ttcttggtgc 180  
 tgcaaataca tatgatagtg tgctccatgc cctttacaaa attagta 227

<210> 32861  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893584H1

<400> 32861

gcagcggatg acacaagtga ctactggtgc tgctgccatt aagggaataa ttcattgcttt 60  
 taatcaggat attagcaatc aagttgctgc ttatatgaga gattcctaata gaatgatcaa 120  
 tcagatgcgg ctgagaagat cagctgttaa tatatttga tctgttccag aggttgacga 180  
 taaacataaa gaagctgaaa cacgtactga tggatga 216

<210> 32862  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893503H1

<400> 32862

gttcttttca taaacaacaa cattttaact caagggttgc ctgataactt agcctccact 60  
 catattctct tactcacctt agcaaacac aagttcatgg gtccaattcc aagaagtctt 120  
 cctaaggctt tgtccactct aagtgaagtg cttttactaa acaaccagtt aactgggttg 180  
 ttgccttatg agattgggtt tcttgaagag gcaacagtgt ttgatgctgg caac 234

<210> 32863



<211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893504H1

<400> 32863

tttccattga ttgagcgaaa ctctgttttt tctgcgatca ttttacattg ggtggaagca 60  
 agtctcaacc tttagtcgaa agagcaagga tctgagttag tgagcgatca tgtgtggtgg 120  
 tgcgattatc tccgacttca ttccagcggg tcccgcgggc ggggcgcacg cgtgaccgtc 180  
 gacatcctgt ggccgaattt gaggaagcgg ttctcgaagt cgctgct 227

<210> 32864  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893505H1

<400> 32864

cacaacgcca tcgccaaagg gtttcagcag gttgaaataa gtgatttggt ataataca 60  
 tgtcatctcc aagcaagaga agagaaatgg atgtaatgaa actgatgatg agtgattata 120  
 cagtggagac gataaatgat ggactcaatg agttcaatgt ggagtttcat ggtccaaaag 180  
 aaagccttta tgaagggtga gtctggaaaa ttcgggttga gcttctctgat gctt 234

<210> 32865  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893506H1

<400> 32865

tctctttatt aaagaaggga acatcggtg ctgcttacta tatagaaggt caatattaat 60  
 tatatttgtc gtacctacat tggtggaaca agttgagtct gatcaaataa gtaacaccct 120  
 taattccata gtgtaatagt gttttacagt aatattgtat tgtcttatca gaccacatga 180  
 aatactctta tttataatga agaaggttta c 211

<210> 32866

<211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893507H1

<400> 32866

gttatgctga tcttgtggaa gagttttctc ttggggatgg gaagattgtg aagattactg 60  
 gtattaagga gatggggaag accaccactg tgcttgtacg tgggtctaata cagcttgtgc 120  
 tcgatgagggc tgagcggagt ttgcacgatg ctttgtgtgt tgtaggtgt ttggttgcca 180  
 agaggtttct cattgccggc ggtggtgccc ctgagattga gctctcca 228

<210> 32867  
 <211> 159  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893508H1

<400> 32867

ctcccccttgc tgcggttgct ccatcaccta atcacttccc cacttcccct gtaactcacg 60  
 tttagtctgc acaaggtttt aaaaaatggc tgatgctgag gacattcaac ctcttggtgt 120  
 tgataatgga actggaatgg tcaaggcggg ttttgcagg 159

<210> 32868  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893510H1

<400> 32868

gttctgctta cttttttatt tttattgagt caatgggatg ccgttttggt taatcaactt 60  
 gatttaaagg ctgcgaaca catgttcaag gtgcacctag gagatactcc ccataacttg 120  
 gctgaaagtg attttgaaca tttggctcgc aagacagagg ggttttcagg ttcagatata 180  
 tctgtctgtg taagtttgac ttctatattt aatacctggt tagaataatg a 231

<210> 32869  
 <211> 231  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893511H1

<400> 32869

accgaatgag agcatcaaac tcttcttctt cgatttccat tgcgaacggt actttttctt 60  
 cttctttctc ttcattttct tcgctcttcg atcttcgtcc ggggactgct ccgaatacca 120  
 ccaccaccac tcgccgatgg ccacgatcgg aggcttacac gactcccaag gctctcaaaa 180  
 cagcgtcgaa accgaagccc tcgctcgatt cgccgtagac gaacacaaca a 231

<210> 32870

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893513H1

<400> 32870

ctagggataa cttgtcatat tgtgattgat catgggtggaa atgttccta ctgggaagga 60  
 cagagttatg gtgttattcc accggttaagt gatagttctt ctttgcttcc tccattctg 120  
 tgagtactga ttgtgaattc ataattattg atctttgtat tcagttttgt ttcgataaat 180  
 taattttgat ggaaggaatg cattttcgat atgtgtcctt tatcatcata gt 232

<210> 32871

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700893514H1

<400> 32871

gtgttctccc tccatcagaa acccacactt tcatgatgag gccttctgct tcttctggtt 60  
 tgcgcatgat gcgtaccagt cgcattacct gttgcacct ttctcagtct tctaagccag 120  
 cccgcaaaat ccgtggtatc atgaaacccc gcaaagtctc ccccgagatg gaagacctcg 180  
 tcggcgctcc cgagatggct cgaaccaag tcctccaac 219

<210> 32872

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893515H1

<400> 32872

gcattcctaa cataaaatgg tccggcatag atggggagga taatgtgctt gttattgact 60  
tgcttgggcc gagtcttgag gatctctttg tgtattgtgg aaggaagttt tcattgaaga 120  
ctgtattatt gttggctgat cgaatgatca ctagaataga atatgtgcat tctaaaggat 180  
ttttacacag ggatattaaa ccggataact ttctcatggg acttgggtcga aagggc 235

<210> 32873

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893516H1

<400> 32873

gggatgatct ggaatctctt gggtatgtgc tcatgtactt cttaagagga agtcttccct 60  
ggcaggggact gaaggctggc accaaaaaac aaaaatatga taaaatcagt gagaagacaa 120  
tgtcaacttc gttagagggg ctctgcaagt catatccctc agagtttgta tcatattttc 180  
aatattgccg aacattgcga tttgaagaca agcctgatta ttcattattt aagaggctg 239

<210> 32874

<211> 204

<212> DNA

<213> Glycine max

<223> Clone ID: 700893517H1

<400> 32874

gcattaatgg tgcaactccg tgatcctatg agaaactatg agccggttgg aacaccaatg 60  
cttgctctta tacaagatga caagagagcg cgtgacgtct aaacctttgg tttccaacag 120  
tgtgtctgag ataaggataa attattcata cgctgacttc agtggtatat gttcaccagt 180  
cgggtcttct tattcgagca agag 204

<210> 32875

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893518H1

<400> 32875

ctctttcttc ctcttctca gtagtgcgat ttcgattct cttctctgca actatgccta 60  
accctaaggt cttcttcgac atgaccatcg gcggtcaagc tgccggccgc atcgtgatgg 120  
agctctacgc cgacgtgaca cagagcacgc ccgagaactt ccgcgcgctc tgcaccggcg 180  
agaagggcgc cgggcggagc ggcaagcccc tccactacaa aggtctgtcc t 231

<210> 32876

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700893519H1

<400> 32876

aaggatcagc tgccaccagc gcctttcgtc cagcataccc tcgtaacaat tctgataatg 60  
aggagaatgt catctgttgg tggaaactcc tcagagattt ccaagcagag gcaggattgc 120  
cttgattttg atctgaatgt ggctgagggt gaagaaggac tgctaaaaca aattggtgaa 180  
tcttcaggcc ttccttctgg ccaatcatca gtggaactta gtcct 225

<210> 32877

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893520H1

<400> 32877

cattcccata ttgtccatt cactaagaca tggaagccag cgctggactg gtcgctgggt 60  
cacataaccg caatgagcta gttgtcattc atggccatga agagccgaag gctttgaaga 120  
acttgatgg gcaagtgtgt gagatttgtg gtgatggcgt gggactcacg gtggatggag 180  
acttgtttgt ggcttgcaat gagtgtggtt ttccagtgtg cagg 224

<210> 32878

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893521H1

<400> 32878

cttgatgaag aacaaattgc tgcaaaccta gtaaagaatg gccctcttgc agttgctatc 60  
aatgcagttt ttatgcagac atatgttggt ggcgtctcat gccatacat ctgtgggaag 120  
catttggatc atggggttct tctagttggt tatggtgaag gtgcatatgc tcccattegt 180  
tttaagaaca aaccttactg gatcattaag aattcatggg gcgagag 227

<210> 32879

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893523H1

<400> 32879

cttcttttta ctctctctct gtctctctct acgctttctc gttcgagatc cctcaaggga 60  
tccactaact gaaggagaaa tgggggtgac attcaccaag cttttcagcc ggcttttcgc 120  
caagaaggaa atgcgaattc tgatgggtggg tctcgatgca gctggtaaga ccaccatcct 180  
gtacaagctc aaacttggag agatcgttac cacaattccc accatt 226

<210> 32880

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893527H1

<400> 32880

ctgaagaggc caagagaaga gaagaagcct tggagaacga tttagcaa atgtgggtcc 60  
ttgttgctaa gttaaaaaaa gacgggggtg cagttccaga atcaaacatc gataaaaaaa 120  
atgatggcgc agaacacata aatgggtcaa aaactaatga cgttgaaagt aatattgttc 180  
ccaaggagca tcttttggat gcaccgaaac cagatgagga aatgcccc 228

<210> 32881

<211> 225

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893528H1

<400> 32881

gggatgtggc agcactgtac aagtataaga acactgttat tgatgttaaa cttgacaccg 60  
catcaactat ctccacaacc ctcacattta atgacgttct tccatccacc aagactatcg 120  
nctcatttaa gctgcctgat tataattctg gcaagttaga gggtcaatac ttccatgacc 180  
atgctacctt aacaacagct gttgcactga agcaatcccc tgtca 225

<210> 32882

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893529H1

<400> 32882

ctgagaggaa gagagaggga gattctttgt ttgctacctt ctctcggaaa aatgggttacg 60  
ttcaggtttc accagtacca ggtgggtggg agggctcttc ccacggaagc agatcagcac 120  
cccgggatct accgaatgaa gctctggggc accaacgagg ttcgcgcaa gtccaagtgc 180  
tggtattttc tgaggaaact gaaaaagggtg aagaagagca atggccaagt g 231

<210> 32883

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893530H1

<400> 32883

agaatatcca gttgtaataa ccctagaaga ccaccttaca ccagatcttc aggctaaagt 60  
ggctgagatg gttacccaaa catttggaaga catactatctt actcctaact cagaaagtgt 120  
gaaggaattc ctttctcctg aatcacttaa gaagagaatt attatatcaa ccaaaccacc 180  
taaggagtac cttgaggcaa aagaaaagga aaaaggggat gattcacagc acga 234

<210> 32884

<211> 231

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700893536H1

<400> 32884

gcgtgatttc gcatccgcag gcactcgcgc agtgcgagca cactctcacc aaactcggcc 60  
 tgaacgtggc gcgcgaggcc gtggacgaca ccgccggcgc tgccgagttc gtcgccagca 120  
 acaatctccg cgacaccgcc gccatcgca gcgcacgcgc ggccggagctc tacggcctga 180  
 acgtgatggc ggacggaatc caagacgatc cgagcaacgt caccgggttt g 231

<210> 32885  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893537H1

<400> 32885

cgctaacacc taatagccag aagaagcgaa atcgtaatcg caatctagcg gatatgaagg 60  
 tcgtcgctgc atacttgtc gcagtgttg caaggaatcc atctccttcg gccgatgata 120  
 tgaaatacat cctcggcgca gtcggagctg aggctgagca tgagttgatt gagttgctct 180  
 tgaccgccgt catgggcaca gacttcaatg agctacttgc tagtgga 227

<210> 32886  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893538H1

<400> 32886

caagaccaag gcaatggtag aggatctgct gaagaactat gataatgtgt gcacattgcg 60  
 agtgaggatg cctatctcat ccgatttatt gaacccgcgc aattttatca ctaagatcac 120  
 tcgatatgag aaggttgtgg atattccgaa ttcgatgact atattggatg aactgcttcc 180  
 aatttcaatt gagatgggga agaggaatct gactgggatc tggaact 227

<210> 32887  
 <211> 227



<212> DNA  
 <213> Glycine max

<223> Clone ID: 700893540H1

<400> 32887

cgtcaacggt agtgctttgt ttaggtgaac taattcggag accttgcaag acttcatcaa 60  
 tggctgtcaa agtttatatt gtgtactact ccatgtatgg gcatgttgag aaactagcag 120  
 aagaaataaa gaaaggggct tcctctgtgg aagggtgtga ggccaagtta tggcaggtac 180  
 ctgagacact gctggatgag gtgcttggtg agatgagtgc accaccc 227

<210> 32888  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893541H1

<400> 32888

atgtgttaac caggtaaagc gatgtgcaga aatgtcaaga aagctacgat tcttcgagga 60  
 tcaaatcaat aaagctgggc taatgtcttc tccttcagtc ttgcaaacag atatttatct 120  
 ggaggattta gagatacaac ttgctgagca tgaacatgag ctaattgaaa tgaactctaa 180  
 cagtgaagaa cttcggcaat catataatga actcctggag ttcaag 226

<210> 32889  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893502H1

<400> 32889

gaagtttaca gcttgtcgac gagtggtgcc aataggccct atttgtaatt gtaggaatga 60  
 tgagttgaga aaaagtgtga gcttttgga agaagatatg agctgcttga agtggctaga 120  
 aaagcagaag gccaagtacg ttgtatacat ctcatcggga agttgggtga gtcccatggt 180  
 ggaagcaaag ttgaaaaatt tagcactggc actcgaggct tcagggagg 229

<210> 32890  
 <211> 156

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700893457H1

<400> 32890

gagacggcga gttgagtttt gaaagcgtgt gcgtgggagg gtccgaagtt ggagatagtg 60  
 attctggttc tgttctgttc ttctttctac tcacaacaac atcagaagtc agaatacaac 120  
 aattggccat cactacactt cggacagatc gttccc 156

<210> 32891  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893458H1

<400> 32891

aacagcacia agcgggttac tgtctgttca agctaccatc tctctctctc tttcttagtg 60  
 cctccttgcc agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga 120  
 acgagggcac cctgacaagc tctgtgacca gatctccgat gctgtgctcg atgcatgctt 180  
 ggagcaggac cctgacagca aggttgacctg tgaaacctgc accaag 226

<210> 32892  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893459H1

<400> 32892

caaacaccgt tcccgtcctt ccattctctc ttctttcatt ctaagaaagc gagaatttaa 60  
 ctgttctcgg attggtacca gctggtgcat ctttttttct tcaatttttt ttttcggaat 120  
 tctttttgtt cctaatttta tcaggagaag ctgaattttc cgggaaaatt tgcgttggtt 180  
 tctcttcctt gcgaccttcg ccgacggctg ctactgattc gtcaac 226

<210> 32893  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893461H1

<400> 32893

gtttacaccg agcagccaca cctcccgag cagccatggt tctcaaaact gaactatgcc 60  
gattcagtgg tgccaagatc taccaggaa agggcatcag atttggtcgt ggtgattctc 120  
agggtttctg ttgcaaaact caaaatgtaa gaggtatttc cacaatcgcc tgaagccttc 180  
aaagctcacc tggactgcaa tgtacagaaa gctacacaaa aaggac 226

<210> 32894

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893463H1

<400> 32894

tttccttata catgaccaga ggaaaataat ttcttttaaat aaaaaaaact tagaatcgaa 60  
acgaaaaatc gccatgaatc ccaaaatcct ctctgtgttt gctctgcttc tgaatctcgt 120  
atccaattcg tccaaaaccc taaccctaaa acccccaaat caacgtcatc gcaggcttac 180  
gtggagctca tcaaccacgg cttaccgcgc ggtcttctcc ccgccaccac 230

<210> 32895

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893464H1

<400> 32895

ggaaaagggtg actgcacaga ggtatcgaat aaagtcaaaa gtcggaatgg ttccactctg 60  
atcaaactga ggaatcgagg aaggaagggt taggattagg gtaaggattg ggaagccata 120  
ggagaagaga acagaggaag aagagggtcaa ttcaaaatgc cggaagagga ttggtggac 180  
atcaaattta gttgtacga tggttccgat atcggaccct tcaggtaact ctccgc 236

<210> 32896

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 700893465H1

<400> 32896

atcatcatcc cctctcccca acggataaag agagagtagg gtcccttcat tctctcacac 60  
 agaaaaatgg cagcgtcagt ttcgtgctca tggctaacc ttccctccca aatgaggagc 120  
 ctctccctca ctctt 135

<210> 32897

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 700893467H1

<400> 32897

ctcataacac aaagcacaaa gcaaagctca tccttgagtt aaaaaatggc agcagcttct 60  
 tccatggctc tctcatcccc atccttggct ggcaaggccg tgaagctggg cccatcagcc 120  
 ccagaagtgg aa 132

<210> 32898

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893468H1

<400> 32898

agatgagtga tctaggtcaa ggttacaaca tcctgagact ttctcagga aaatttcttg 60  
 gtagaggagc tgtggaatth tgtgatggac ccaccttagg aggtttatgt tgttctctca 120  
 cgaattatcc aacgttgtht ggatcaacgt tgggagagtc gagttgttht tttcttcttc 180  
 attaggtgcg tccggatctg tcattgtgca ttggaaaata ctttcca 227

<210> 32899

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700893469H1

<400> 32899

gtggagcaat atgctcactt gggattacgt acattatggt tggcttggcg tgagttaaag 60  
 agagatgaat atcgagaatg gtctttgatg tttaaagagg ccagtagcac ttggttgat 120  
 aggggtgga 129

<210> 32900  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893471H1

<400> 32900

gataagctcg agctcgagcc gctcgagcaa ttatgaatga acattgagaa aaaaggcaga 60  
 ggcagaaaca gagacgcaga agacaaccac acttttttca tggccaaaat cattggcagg 120  
 agcagaagaa gaagaataca acgactacta ctcaacaact atgcaacaga atgggtcatc 180  
 atcatgtcaa tgtccgctgc aacctgttcc atagcatgtc ctttcttggg cgtttta 237

<210> 32901  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893472H1

<400> 32901

acaacaacga ccaagccgcc aatgagaaat acttctacaa caacaacaac aatgatgatg 60  
 ctgccaaaca caggtattac aaaaccaaat ctgtcaacag caattacaac ggcgagaggc 120  
 aggtttgagt gacacgaggt ttatagaggg tggaaaatac ttctatgatg ttaagtctga 180  
 aaagtacaac catccaacac aatatggtgg ctcaaccaga gg 222

<210> 32902  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893475H1

<400> 32902

gtcccaggaa gacgagggat gatttcctgt cgcagggttt caaattgaca ttatgaggaa 60

gtctaagaag aagaagcaat ggtacatggg ggtagctgaa actggctcgg cgggtttggt 120  
 ttgagttgat tcaagccaaa gggaggttga ggaaaagtaa gaaaatgttg cttccgttac 180  
 aatgactgta atgtatagtt aaattaatac tatcagctac atat 224

<210> 32903  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893476H1

<400> 32903

ctgtattgtg ttttgttcct tccttggttc gttccctcca caaaccaaaa acccaacaaa 60  
 agaacgttca tttttcattt tcgtttctaa taaagagcat ggccggtggt tctatcaaga 120  
 gacatctttc tccgaagagg accatggttt cgcttcttcc atggagcctg ggtattctgg 180  
 gcacaaccac cacttccatc atggtttcgt gtctaggact ttggg 225

<210> 32904  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893477H1

<400> 32904

ctctcttctc tctagctata aaaaatatac cttttcagtt tccactcatt gatctaaagc 60  
 cttactcttg caatcaatac aattaagtat tattcaaagt cccaaccatg tcaccaacaa 120  
 acactttgca attttggctt tcttctgctg tgccatttcc ttaccttcg cttctgacct 180  
 tgacacactt caagaccttt gtgtggcact tccctcttca ggtgtga 227

<210> 32905  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893480H1

<400> 32905

ccacattcac ctgagctttt tgtgaggatt ccaaagcatg gttcccttg cagcatccac 60

tgctgctgct tcccttggca tgtcagaaat gcttggaac cccatcaacc tcagtgggtgc 120  
 cacaaggccg ctctatctgc ctctagccct gcctccttca agactgtggc tcttttctcc 180  
 aaaaagaagg ctgcacctcc aaaaaaagct gcagctgctg ctcttgccaa tg 232

<210> 32906  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893482H1

<400> 32906

gtgccgtgca gatattagt gttattgttt tttctcttta tcttcgtaaa atatctgttc 60  
 ttggacaccg catatttcta atatatgcag ttcctttggg tctggcaatt acgtgggctg 120  
 ttgcttcttg ttgactgaag ctggagtcta caactacaaa ggatgtgaca taaatatacc 180  
 tgcctcgaat atggtttcgg agcactgcag aaagcatgtc tcaag 225

<210> 32907  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893483H1

<400> 32907

gccactcttc catctttccc ttgtcccaga ttcctccac tcattgcaat ttcttcgac 60  
 cgctttctaa attccacacc cctccgttcc actgcttcgc cgcgacaagt tacaagaatg 120  
 gcttcgagaa tgctcaacaa gacacgcgct tagccagaat cgcctctgcg atccgagtca 180  
 tccccgactt tcctaagcca ggaattttgt ttcaggacat aaccacg 227

<210> 32908  
 <211> 214  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893485H1

<400> 32908

ctctctcttc ctcttttagct tcctcgccat ggcacacca gcaagaacct tctttgctct 60

cattctcgcc gtcgtcgctc tcttcttcgc cgccgccaat gctcaagacc tctcccggct 120  
 ccgagtgccg atgccggagc ggcgggatcc gtttcgagct ccgtcgccat gatcggagct 180  
 tcggttggtg tgtcattgat ggctatcttg aagc 214

<210> 32909  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893486H1

<400> 32909

aaaacatggt cttgtggaat tcagaaaaag cggttaccaa actacttctg ctgaagccat 60  
 ccatcgcaga gcttcacctg aatatagcac cataaaaaat gaggaagaga tctcaciaag 120  
 cttgaagatg gtgtgggttca acaattcaaa aggagtaaaa gctcaaatga aactagagct 180  
 tctgattatg attccaacaa gcatgatgct cgcctcatgc gaa 223

<210> 32910  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893487H1

<400> 32910

gagaaatagg cagatagata aaaagagcga cttttgagtt caaaagatga ctaacttccc 60  
 attgatcaac ttggagatgc tcagtgggtga ggaaagaaac gataccatgg aaaaaattaa 120  
 aatgcttggtg aaaactgggg attctttgag ctgggtgaatc atggcattcc tcatgacata 180  
 ttgatcgctg tggagatggt gaccaaagag cactacagg 219

<210> 32911  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893489H1

<400> 32911

gtatTTTTTT ttgcagatac tgtagataat cgatgagaag aacgcagatc cagccgcttc 60





gttgaactcg aaatggcgaa acttgaagcg aagctaggaa tgatcgtgga ctaggtgggg 120  
cattcttctc cggcaaagac catcttcctt attgtgactc tgacgtcgtc gctggatgtg 180  
aaagagaggt attggaggct gaaaaacaat catctgaaga gca 223

<210> 32915  
<211> 246  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700893493H1

<400> 32915

atctgagagc tgaagagagg gaacgagttt gtgaagtaaa gttgactcag tggaaactcg 60  
gttgaactcg aaatggcgaa acttgaagcg aagctaggaa tgatcgtgga ctcggtggcg 120  
gcagtcttct ncacggcaaa tgaccatact tccattgttg tgcactactg caacgtcgtc 180  
ancatggatg tgcaaagaga gggttaattgg taggctcgaa caaacaattc gatctgaacg 240  
agcata 246

<210> 32916  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893496H1

<400> 32916

caagaactcg aaatggctcc aagagaatct gacggatatg gattccaagg tgaagcaaat 60  
gatcaagctg atcgaggaag atgcagattc atttgccagg agggctgaaa tgtattataa 120  
gaaacgccag agcttatgaa attagttgaa gagttttatc gcgcataaccg ggcattggct 180  
gagagatatg atcacgcaac tggagtata cgtcaggccc atcatactat 230

<210> 32917  
<211> 223  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893456H1

<400> 32917

gatgtatggt aattgaaata tcatttcact ttttatgctt ctgtatttta tcttttttgg 60  
 ttcatgattt tcttctttac aattaaagct agccccaaaa cacatccttt tgaagaacat 120  
 tattttcatc aatatatttc tgtgtaagtt cagttgttga agggaatttt ttgaagttca 180  
 ccaatcattt gttaaatttc aggagtactt agctaaccga gtg 223

<210> 32918

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893501H1

<400> 32918

tctggtcatc gttgggatct ccatacgccg gatctgctaa aatacgcttg atccatatgg 60  
 gcctcctcga ccacttgtgg gacgacaccg tcgccggccc aaggccgaaa acggtctcgg 120  
 caagctccga aaacaccaca ctttcacttt ccgacctagc tccggcaagg aaacggaggg 180  
 cgggagcgtg agatcgtacg gagacgaatc gtcggaggaa gcgacgagag tgacgc 236

<210> 32919

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893416H1

<400> 32919

actttctgcg cttcttggcg gcgacgcggc ggcggcggcg tcttcgccgg agagttctac 60  
 ttctagagtc tctccttcc actcgtcgcc gcgctggcag ctctacttca acgagatcaa 120  
 agataccgat aagctcgtgt gatagatttc tcggcgtcgt ggtgcggtcc ttgcaaattc 180  
 atagagccag cgattcacgc catggccgac aagttcaacg acgttgactt cgtcaagatc 240

<210> 32920

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700893417H1

<400> 32920  
 gaaaaaagag aaacaaatgg cagcactggg tggctttacc gacatcacg gagcacagaa 60  
 cagcatcgat atcgaaaatc tcgctcgctt tgctgttgat gaacacaaca aaaaagagaa 120  
 tgcagttctg gagtttggag ggtgattagt gcaaagaaac aagtggtttc tggcaccttg 180  
 tactatatca ctttggaggc aaatgatggt gtgacgaaaa aggtttatga aactaagggt 240  
 t 241

<210> 32921  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893418H1

<400> 32921  
 atttttgttt ctcttagggt taagcgggtga gatttgcgaa tctgagaaat ggcggattct 60  
 tctcgggagg agaacgttta catggcgaaa ttggcggaca ggccgagcgt tacgaggaga 120  
 tggttgagtt catgagaagg ttgcaaagac tgtggagggt gaggagttga cgggtggagga 180  
 gaggaatctc ctctctgtgg cttacaagaa cgtgattgg 219

<210> 32922  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893419H1

<400> 32922  
 cgaatagata gatagggtgaa aatggcgagc tgtgtgacca acacattcgt gcaaggaaaa 60  
 ccctttcttc cagttgcagc agctcccact aaaaatcagg ttcggagagc ggttcagtgc 120  
 ggtgtgtggt gcaaaagaag gagatacacc cggcaattct acgaggaatc gaagggtgtat 180  
 taacgggagc tgggtgctcga cgacagggtg gaccagaagg aatacgtggt g 231

<210> 32923  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893421H1

<400> 32923

cagctaagga ggccaaatga atttaaaact tatgagatcc tgggaattga tgtcaatttg 60  
 ggtgtatttg tgtgtacctt ggtgagcaat gacttattcc cttagatttt ctttttagata 120  
 tgtacagaga gctttttcaa tatagcttac attgttcttt ggtaggtata cgtttaaggt 180  
 acagagagcc tttttctgta tatccccctt catttttaac taat 224

<210> 32924

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893424H1

<400> 32924

gggatttcaa aagaaatgga gtgatatttg tcagcgtctt catcacacaa gttcactacc 60  
 tcaatttgat attttcmeta caaggtocca agctccaaca gttgaggttt tacgggttgg 120  
 tctggctttt aggaaagcag caataaagac ccatcacaca gtgaattcca atattctagt 180  
 caaatttcct gcatgcccaa agagttgcat agtatttttc cttcgaagc 229

<210> 32925

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893425H1

<400> 32925

ccatctccaa tgccagacag ctggaagctg agggagatat ttgccactgg tgttgtgcta 60  
 ggagcttaca tggcactaat gacagtagta tttttctggc tcatgaagga taccgacttc 120  
 ttctcggaca gttcgggtgtg aggtctataa ggaacagccc cggagaaatg atggcagccc 180  
 tgtacctaca agtcagtatt ataagtcaag cactaatttt tgtgacaagg 230

<210> 32926

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893428H1

<400> 32926

ggaacaagt cgtttgagca gacctgcttt ctggatgtta agggatactg tctgaagag 60  
 aggagccacg aagggtcttg aatgggtggt tctgtgtctt accaaaaatt cgggaagact 120  
 agtgactgtg gtcacctaga tcaactctaa agtgctggaa tgaggaagat gaggaagagt 180  
 agtttcctta agtgtcttta ttattctgtc cttgtgaaaa taagtctggt t 231

<210> 32927

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893430H1

<400> 32927

tctcgagccg aatcggctcg aggcaaaagc aaagattggt atggtatatt cgagtttatt 60  
 ctacgtctgc cttacaccaa gtgtagaact gtagataaaa taggttctaa gtagtcttaa 120  
 attaattttg gaggtatgga ccagcaagtt tagctgtctg aataatttaa gcccaagttg 180  
 ttgtgttgat gccagatat gaatatttga tgttagaata ttgaaatatt gcaatt 236

<210> 32928

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893431H1

<400> 32928

tctctgtttc cttcttcacc gcatcaatgc tgctggacgg cgttctcctc ggcattgtgca 60  
 accctctcct cgacatctct gccgtcgtcg acgacgtttt cttgcaaaaa tacggtatca 120  
 agttgaacga tgcgttctcg ctgaggataa gcacaaacct atgtatgaag aattggctaa 180  
 caatccta atgtggagtaca ttgctggagg tgctactcag aattcaatca gggttg 236

<210> 32929

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893432H1

<400> 32929

cttcttcgtc tcaaattctct tcgttccttc gattcggtcc atttcttcca aaatggccaa 60  
agaccagatt cgcgttctcg tcaactggagc tgcagggcaa attgggtatg ctcttgcccc 120  
tatgattgct aggggatgat gttgggtcct gaccagcccc tgatcctcca catgcttgac 180  
attcctccgg cagcagagtc attgaatggg gttaaaatgg aattggtgga tgctgcattc 240

<210> 32930

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700893434H1

<400> 32930

gaaagaaaga gatgctatta tgggagaatt tcgtgctgga acaaccctg tactaataac 60  
aactgatgtt tgggcccctg gtcttgatgt acagcaggtt tctc 104

<210> 32931

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893435H1

<400> 32931

tttgccctct ccttttctct ctctagaatt ctcatgattg cggggcgaga tgatgcagca 60  
gccaggaccc ggcattggcac ctcccaccat gggccagcag ccgcagcaac agtaccagca 120  
gcagcctccg cccagcagca acaaccctac gtcattgctgc cgccgcagca tcaggcgccg 180  
cagcctatgt gggccccatc cgcccagcct ccgctgccgc agcagcc 227

<210> 32932

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 700893437H1

<400> 32932

tgcgcggttg gatttatgga tgatcattac cggattcgga gtgcgttttc tcttctcaac 60  
 caggtaatag atgaatatca aaaaaacttt ggcgagtcac ggagaaatgc tcaggaagac 120  
 agtactcaac a 131

<210> 32933  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893438H1

<400> 32933

attttatgga caaagacggc ctgtgctgca gcgtggtgca aaacttttgt gtgttagtga 60  
 cttgctttta ttaggaagat ccaaccattg aagaggcacg cagtctctta cactggttgg 120  
 actctgagga ggttttggca agatgggtgt ttgtggactt agtatgggag gagtacatgc 180  
 tgcaatggtt gggtcacttc accctacacc tgttgcaaca ctcccttttc 230

<210> 32934  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893440H1

<400> 32934

gaagcacaat ttctttttct ctcttttttt gtgtgtccaa aatggctcct agttctgctc 60  
 acaacaatgg gttctatgtg cttatgctag ttgggatagt ggtagcact atggttgcta 120  
 cctgtgcggt agcttctacc aagactttga tctaacaatgg ggtggtgacc gtgctaagat 180  
 attcaatggt ggccagcttc tatcactttc cctagacaaa gtctct 226

<210> 32935  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893441H1

<400> 32935

ggcatgcaaa ggctaggatc aatgcagggg ctaacttcta tatcgttggt cgtgaccccg 60



caggcatgag ccatccagtt gagaaaagag atctgtatga tgctgaccat ggaaagaaag 120  
 tattgagctg gcaccgggac tagagcgtct aaacattctt cctttcaggg ttgctgaaat 180  
 gacaagactt cagggtaaaa tggcattctt tgacccttca aggcctcag 229

<210> 32936  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893442H1

<400> 32936

tgtttttcgt ggtctcaccg tcgcgcttat gatacttggt gatgatgctg gcggactcat 60  
 tcctgcactc aatcattcac catggaatgg tttaacgcta gctgattatg tcatgccatt 120  
 tttcctatta ttgttggtgt ttcgcttgca ctcacatata agaaactgtc ttgcggagtt 180  
 gatgcatcta ggaaagcaag ttacgggct ctaaaacttc ttgtg 225

<210> 32937  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893443H1

<400> 32937

tggggtgtaga aacagcgaaa gagaaagaga gagagagaga gagatggcgt cgggctgggg 60  
 aattaccgga aacaaagggtc gctgctacga tttctggatg gatttcagcg agtgcattgtc 120  
 tcgctgcctg agcccaagga ctgtgctttt ctccgcgaag actacctoga gtgcctccac 180  
 cattccaaag agtttcaacg acgaaaccgg atttacaagg aggagcag 228

<210> 32938  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893445H1

<400> 32938

gacggcgtga tcctcgagtc tgagcacctg catcgccaag cctacaacga tgcctttggt 60

cacttcaacg ttcgcttccc ctcttcttct tctccgggcc cactcaactg ggacgttaaa 120  
 ttctacgaca actccagctt ttcattggtg gaggcaaacc caaaatgcga tggacttta 180  
 aggaacacgg gtggcctaag tccacgttgt tcgagacgta tcccact 227

<210> 32939  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893446H1

<400> 32939

aatgaatctg atgcaggcgg ttcgctacga cgcctacggg ggatgtcctg ccggcctcaa 60  
 gcacgttgaa gttgccgttc ccagtccaaa ggcaaagtag gttttaatca aactggaagc 120  
 agtttagcatt accctattga ttggaagatt cagaagggtc ttctccgtcc tttatttctc 180  
 cccagaacct ttccccacat accttgaca aatgtggctg gagaaatagt tg 232

<210> 32940  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700893448H1

<400> 32940

tattattcag attttagaga ctgaaaacat catggccaac ctcgacctcg acccattcca 60  
 gacaagcatc ttaacactcg tcccaatagc actcctggtg gcgttactat ctcgtactcg 120  
 tcgaagagca cccaccacc aggcccaaag ggtttaccaa tcataganaa catgttaatg 180  
 atggagcagc taaccaccg cggcctcgcc aacctggcca aacactacgg cggcat 236

<210> 32941  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893450H1

<400> 32941

tttaccatca actatcactg taagtgattt taagacgtat ttgatcagt ttgttacaat 60

tactgatgtt gtagttatgt atgatcataa tacacagagg ccaagaggtt ttggcttcat 120  
 cacttatgat ctgaagaagc tgtggataga gttctttaca aaacttttca tgaactcaat 180  
 ggaaagatgg ttgaggtgaa gagggcagtt cccaaagaac tttcccttgg 230

<210> 32942  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893451H1

<400> 32942

gaaacagtca gagcaataac tgctgctatt gaaaaggact tatgggctac tggatctgtg 60  
 aatgatgagt atcttaaagc cttaaattct ctatttagca acttcccaag actgagagca 120  
 actgaaccag aacacttagc attccccatt gggtacgttc cttaaagaca ggctctgagg 180  
 ctactcagga agctgccttg aatgcacttt tcttgcttag gcaagcttgg tca 233

<210> 32943  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893452H1

<400> 32943

accgagcagc cacacctccc gcagcagcca tggttctcaa aactgaacta tgccgattca 60  
 gtggtgccaa gatctaccca ggaaagggca tcatatttgt tcgtggtgat tctcaggttt 120  
 tctgtttca aactcaaaat gtaagaggta ttccacaat cgctgaagc cttcaaagct 180  
 cacctggact gcaatgtaca gaaagcaaca caaaaaggac attgctcaag 230

<210> 32944  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893453H1

<400> 32944

aacacagcaa aggttggtta cggctggctg aaaaagatga ctctgtaaa cagtgcattt 60

gcttggcagt catacaatga agaacctgcc tcatccagtc aagctgattc cattgcagca 120  
 tatgcacttg ggagcaggtc aacgtgaccc gcgattcttc agattatttg tggatatga 180  
 cagatgtcaa cgtaaatgct aatgaaggat ttctaaagaa tggaca 226

<210> 32945  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893454H1

<400> 32945

gtttgttggt gtaactcggt cttcttcttt tggtgttctg tgtttgtgtt tgttttttct 60  
 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagctcc tgcaagtgcg 120  
 gcaacgctgc ggaggctgca agatgtaccc agacttgagc tacactgagt caaccaccac 180  
 cgagaccttg gtcatgggag tggcacctgt taaggctcaa tttg 224

<210> 32946  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893415H1

<400> 32946

ggagacgtac actggcttta tacctgttgg ctaggctagc ccagtgtgct tataattctg 60  
 caaaatctaa aaacaagttt cacctttggg ggagtcattg gagacatgga gattcattgc 120  
 tgtttgccct tgctttgcac aggttatgta tgcctttgta atgcgtcctg agagcttgcc 180  
 aaaatcctat caagacttca ttcaaaagac cgggccagtt gcagagcctg tatacaa 237

<210> 32947  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893378H1

<400> 32947

caatggcggg tcggctgcat tccatagacta ctctcttttt ccgcaatttt tcattggctg 60

cgttcggttcg ttcggttgctg gcttttagttg ttactcttcc gttacggcga tggagttgga 120  
gcacccgacc ggcagccgc tcaactccgc catgacctac gacgaagcct ccatgtagcg 180  
cagaagagct tcgtcaacgc cttgcaggaa cttaagaacc taaggcctca actttattct 240  
gctgcagaat actgtgaaaa atcttatctc 270

<210> 32948  
<211> 276  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893379H1  
<400> 32948

ctcatatgtg cgccttctct gtgctatatt catctcagtt caaagtggct agtatagaag 60  
aaccataagc actgagggaa aaagtgatta gtactttagc caacaaatta aaaatggctg 120  
tcaccaagat ctacattgtg tattactcct tatatggaca tgtagacacc atggctagag 180  
aagtacacag aggggctgct acagttgaag gtgttgaagc aacactttgg aggggtactga 240  
gatgctttcg gagctaatat tgggatagtt gaaggc 276

<210> 32949  
<211> 276  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893380H1  
<400> 32949

attgtttgtt gttgtaactc gttcttcttc ttttgttgtt ctgtgtttgt gtttgttttt 60  
tctctcacct gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tctgcaagt 120  
gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca 180  
ccaccgagac cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa 240  
tgggtgtgcc cgctgagaac gatggctgca aatgtg 276

<210> 32950  
<211> 107  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893383H1

<400> 32950

cctaaactca gtggtgatta ggaatttggg ttttagggg tccaattttt atattttggg 60

aagtgggtgt aaccgtagtg gagtgggttct agggtttttt gaggtgg 107

<210> 32951

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700893384H1

<400> 32951

cataactcagt tctctctga ctgtgtgcac gcaaacccta acctagttct tcttctgtct 60

cggcacctct ctccctccc ctgaaccctg ttccatctc caa 103

<210> 32952

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700893386H1

<400> 32952

aagaaagatt gcagggtgag cttggagggg tgtagagaag gtgtgaaggg gcctatgact 60

attgctgctg aggtttttga gttgacacct tccttggtgg tggaggaggt caagaaaaag 120

ggaggggata aggccgagta tgagaagttt tgtaactctg agttgagacc cgcgttgagg 180

aatttaggga tggaggaatc tgctttctct tcttcttctt gtcacatcaac tacacacact 240

caatctgaat tccaacaac 259

<210> 32953

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700893387H1

<400> 32953

gtcaaaaagg actacatgtg tctgtactgc aatgatcgat gttatccatt cagcagcttg 60

gaagcagtca ggaacatat ggaggcaaaa agtcactgta aagtgcatta tggatgatggt 120  
 gatgatgacg aggaggtaga attagatgaa ttctatgatt atagcagcag ttatgtggat 180  
 gcatcaaggc aagcagcttg ttgcatcttg tgatgcattt aacaatgtag aacttgttgg 240  
 tgggtctgag ctcataatca c 261

<210> 32954  
 <211> 160  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893388H1  
 <400> 32954

cggatataca acctgtgcag ctagtggacc tgggcattgc aagataaaca atggaggttg 60  
 ttggcatgaa gctaggaatg gacatgcata ttctgcttgt tcggatgatg gaggggttaa 120  
 atgcaagtgt cctgcaggct ttaaagggtga tgggtgtcaaa 160

<210> 32955  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893389H1  
 <400> 32955

tgtccaagag attaagatca gtttcttttg gcgatcctgg tttctataca gactcctttg 60  
 ctcttggttg atgtttttat tatagcccg gaaatcatttt gttgatttat gctaaagcaa 120  
 gtagccatgt tccgcttaaa attctttcaa tagaagatgg tactgggttg aagtcattca 180  
 gccatctcct ttatcggaat aagaaggtag attttattga acagttcaat gaaaagcta 239

<210> 32956  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893390H1  
 <400> 32956

gttgaaacaa gccaaattga atctaggcaa aactataaat gaacttgggg agatacagtc 60

ctctgttgaa tctttgaata agaagatgaa gaaggagaaa ctttttctgg agaggacaac 120  
 gcgaaaagct agcaacaaag tttgcagcag tatctgctca agagagggtc caagagcaaa 180  
 caagattaga tccaccagca cctcatgtag agttcaattt tggtaacact gcaaataatt 240  
 tcaattctga ttctaggcag tgcaa 265

<210> 32957  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893391H1  
 <400> 32957

agatgatgac cctatattag agcaagcaat agggacggag attgagtggc atccaggaaa 60  
 gtgtttgaca cataagattc ttaagaagaa gccaaagtaa ggatcaaaga atgctaaacc 120  
 catcacaaaa acagaaaaat gtgaaagttt cttcaacttt ttcaatcctc cccagggtctc 180  
 agaggatgat gatgatattg atgacgatgc tgtcgaagag ctcgagaatt tgatggaaca 240  
 gattatgaca 250

<210> 32958  
 <211> 94  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893392H1  
 <400> 32958

actgcatcag ttagtttcaa actgtaatga cctcaagaca ttgtcagtta acttgagtct 60  
 gaaccaacta tccactggga acttccaggc atca 94

<210> 32959  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893393H1  
 <400> 32959

ttgatctccc ctttatcctg ttttttggtt cccaacaaga caaagtcttc ttcagcatct 60



ttgtggtgaa aaacaactca aaggggattc aatttcagat tccagttctg attcctgtga 120  
 tcagtgcctt acacaggttt aggtttggct ttggcatctt acaagggaca taaggccaac 180  
 catagtcttg atggttggtt atggattggg atgtgaaaga gtatgcttgg gatacacgtc 240  
 gggttgaact ggctaattgg 259

<210> 32960  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893394H1

<400> 32960

attatgataa ccctagcaaa cctatttacc tgtatatataa ttcattctgga actctgaatg 60  
 agaagaatga gaccgtggga tcagaaactg aggcatattc catagctgat atgatgtctt 120  
 atgtcaaagc agatgtttat actgtgaatt gtggcatggc atttgggtcaa gcagcaatgc 180  
 ttctgtcgct tggaacaaag gggttatcgtg ctgtacagcc aaattcatct acaaaa 236

<210> 32961  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893395H1

<400> 32961

gcagatcttc gttaagacac tcaccggcaa gaccataacc ctagagggtg aaagctccga 60  
 caccatcgat aacgtcaagg ccaagatcca ggacaaggag ggtatcccc cgaccagca 120  
 acgtctcatc ttcccggaag agcagctcga ggacggagc accctcgccg actacaacat 180  
 ccagaaggaa tcaagccttc acctcgctct ccgtctccgt ggtgg 225

<210> 32962  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893396H1

<400> 32962

attggacatt tatcattttt atttttttaa gaaacatott cttacaacaa ttaaaaatta 60  
 tttatttacc tatatagtgt tgagaattac acttcaaaaa aatatcgtac aaatataaga 120  
 gattccgcca ctcaatagta gcaaatagca attaagacat tcagatctta acccctaaga 180  
 aaagtatcga aaaaagactc atagtccatc acccagcaag aaaaaagaaa atcgaagagg 240  
 aagagcaagg acacaacaca aagaagcana agaaga 276

<210> 32963  
 <211> 142  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893401H1

<400> 32963  
 ggctattgag atcctcaagc tcatgtcttc cactttcctg gtcgcccttt gccaaagccat 60  
 tgacttgagg catttgagg agaatttgaa gaacacggtc aagaacgttg tgagtcaagt 120  
 tgctaagagg actctcacca ag 142

<210> 32964  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893402H1

<400> 32964  
 ataacaccta aagatggtga atggatgtct tctactgact tcaagtttaa gaggactgat 60  
 ctccatgcaa aagatgatcg tactagttat aactggcaag atagagcatg ggatctgcta 120  
 aatcaggtta ttaacatgta aaactgataa tcataagctt ttttaggtat tggaaatcac 180  
 tcacacaagg agcagaatct cctccttatt ttgttcaggt gtctatggat gtcaacttct 240

<210> 32965  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893403H1

<400> 32965  
 gtaaaaagaa gcattctctc tctctcttat ctcaagtctca ataaactaat caagtttaaa 60  
 gcaccacaca cagcatatac acaaagaagc tctctttcac tatcaccact ctccctttcg 120  
 cttttcgtcc taaccaaaaa gaagaagaag atctaataaa ccaccaattc attcatcatt 180  
 tcaacaacgt gtgtgtgtgt gcgtgtgaat tattatggga ggggtgacgt cctcgatgg 239

<210> 32966  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893404H1

<400> 32966  
 cacctttcta tcttttccat cagagcatta ttgataccc tctctgcagc aacgcatttt 60  
 tcttcattct cttaaact tctcttttc tccttcgttt gatctgcatt aaaattgcat 120  
 aaatatataa aaaatgagaa gtttgtactc aagttagatt tgcattgatga caaggataag 180  
 cagaaggcct tgaaaacagt ttcaactctt tcaggaattg atgccatcgc catggata 238

<210> 32967  
 <211> 139  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893405H1

<400> 32967  
 ggcaactccc aaggcatcgt cgaaatggac cgagaacatt tctcaatag cagctcgcat 60  
 cttcttcctt ctcatcatct ttcagatccc tcttttcagg gtgacttgca gatctggcat 120  
 gtgtacaacc cctttcatg 139

<210> 32968  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893408H1

<400> 32968

attccacctc aaagcaacac tagaactctc tcttgaacat tcatggatcc agtgagcgtg 60  
 tggggtaaca cgcccttggc gacggtggat cccgagatcc atgacctcat cgagaaggag 120  
 aagcaccgcc aagccgcggc atcgagctca tcgcctccga gaacttcacc tccttcgcag 180  
 tcatcgaggc cctcggcacc gccctcacca acaaatactc cgagggcatg 230

<210> 32969  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893409H1

<400> 32969

cacgacggaa gaaagcacgg cgcagctcaa aaaaccaa at ggaagcaca agctctcagc 60  
 atacacaagt tattgagatc agtggtgatt ttctgatgg tggaaggaag atttgtgggg 120  
 aagcaccgtg tggtttgcag atgctggatc catctctaag gattctgaag aaagatcaac 180  
 ttctatgcga aagcttttca tggcagtggt cctttgtgtt attttcatga ctg 233

<210> 32970  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893410H1

<400> 32970

aaaaaagcca ctctatacat ctgctcgttt aaagaaggga gaagttcttt atctggagac 60  
 aactcctgc agatatgagc tctgttttac tggagagaag atggtgaagg ctataccagc 120  
 aactcagatg catacccaga tacagagaag tctcaaaatc accatcacca tcaccatcct 180  
 gcaaatggtg acaaagctga ttctgatgtc atggttgatg ta 222

<210> 32971  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893411H1

<400> 32971

gttctttagtag gtactatattg aaagatgctg tccttgaagg gggatttcca ttttaacaaag 60  
 catatggaat gacagccttt gaataccatg gaacagatcc aagggtttaac aagggttttca 120  
 acaaggggat ggtgatcact ccacaatcac aatgaagaaa attcttgaga cctacactgg 180  
 ctttgagggg cttaaattctc tggttgatgt tgggtggagga actggagccg tag 233

<210> 32972  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893412H1

<400> 32972

cacagagcga gagagaatcg taacagaaac ggtcactgga agttgtctct accaccctct 60  
 cagccatggc aacaattccc cctagccgat catcatcaca cgcgtttgtt gccatggcaa 120  
 ccttcacgac tctttgttgt gcacggcggc ggcgaaggag agcgtgtacg agatactccc 180  
 caagtacggg ctcccagatg gtctgttacc ggataccgtc accgactaca aact 234

<210> 32973  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893414H1

<400> 32973

tggtttctct gtgtttgctg gtgttgagga acgaaccga gagggtaatg acttgtacag 60  
 agaaatgatt gagagtggg tcatatagct tgatgataag cagagtgaag gcaagtgtgc 120  
 tcttgtgtat ggtcaatgaa tgagccccct ggtgcccgtg cccgtgttgg tcttactggg 180  
 cttactgtgg ctgaacactt ccgtgatgct gaagggcaag atgtgcttct tttcg 235

<210> 32974  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893377H1

<400> 32974

tcctttcatc aatggaagcc ctccagaacac ctttgtccca ggactcattg atctggccat 60  
 caaaaggaat agtttgattg gaggagatga ctttaagagt ggtcagacca aaatgaaatc 120  
 ggtgttggtg gatttcttag tagggggccg catcaagcca acatctatag tgagttacaa 180  
 ccatttgga aacaatgatg gcatgaatct ctccagccct caaaccttcc gctcgaagga 240  
 aatttccaag agcaatgttg ttgacgat 268

<210> 32975  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893329H1

<400> 32975

atttccttga tatcttagtt atctaattac ctcaattaat cccttaattg caagcatcat 60  
 ggctgaggag aaacaccacc accacttcca ccaccacaag ggcatgatg tgctggcga 120  
 ggttgattat aagaaggagg agaagcacca caagcatctt gagcaccttg gggaacttgg 180  
 tgctgcggct gccggtgctt atgccttgca tgagaagcat gaggccaaga aagaccaga 240  
 gcatgctcac aggcacaagg tagaagagga g 271

<210> 32976  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893332H1

<400> 32976

cgccaagaga agagatcaat taagatggaa tggaaggagc aggatgtgtc gctgggagcg 60  
 atcaagttcc cggagagaca gccgattggg acggcggcgc agagccaaga cgacggcaag 120  
 gactaccagg agccggcgct ggccgactg gttgaccga cggagtttac gtcattgtcc 180  
 ttttacagag cacggatagc agagtttggt gccacttacc tgtttctatg catcactgtc 240  
 ttgaccgtca tgggagtcgc cggggctaag tctaagtga gta 283

<210> 32977  
 <211> 115  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893335H1

<400> 32977

aaacgatcca aactcttttt tcatttgcag catcaaaatg agtggttagca acgatggtag 60

cggcagctgg agctctaggt ttttgaaggt ggctagtgc gctgcgcta cacc 115

<210> 32978

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700893339H1

<400> 32978

gcttcttctt cttccttgcc ctctctcgct attgagcttt tctttttaac acggaatatg 60

agttacacaa aagggttttg aggttttcta tcaactctaaa gctcttagct cattcacctc 120

ttgggtggtg tggctatta tgtaaattac catttgtgca attttttctc agatctatcc 180

aacttctctt ttttatcctt tattctgttt gcaaatcgcc atcatcacca tttgatttgc 240

aagaccataa tttttctgct ttggtt 266

<210> 32979

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700893342H1

<400> 32979

agggtttgta gtgtagcagg aacaagcagc aatggcgccg aaggtaacac gcaaggtag 60

cagaaacccc gaattgataa ggggaattgg aaagtactcg aggtcgaga tgtaccacaa 120

gaggggcatt tgggctatca aggccaaaaa tgggtggcgtt ttacctcgcc acgaccctaa 180

acccaaacct gaaacacccg ctgaaaaacc acccaaattt taccctgctg atgatatcaa 240

gaagcccctt gtcaacaagc acaaacc 267

<210> 32980

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893343H1

<400> 32980

gtagtattat ttcacgatt ctctcccttc tctttctctc tgcgacacca gatgatgcag 60  
acgacggcga acgacaacgc tgctgttgcg ccaatcgagg cggtgttggt ggtggtgcta 120  
ctcgcggcga gtgtggtggt ggaggctcag gagaactcgg acgtgaagac gctggtgaag 180  
cacatgcacg ggaagaagta ctgcgacaaa ggatgggaat gtaagggctg 230

<210> 32981

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700893345H1

<400> 32981

gactagttct agaaaggcta caaattctca gtgctgatct cagcaatcca gaaagtttta 60  
ttgcttccat tgaagggtgt atgggagttt tccatgttgc tacaccagtc gactttgaat 120  
taagagaacc agaagaagta gtgacacaaa gatccattga aggtgcactt ggcattttga 180  
aggcatgcct caattccaag acagtgaagc gagttgttta cacctctagt gcctctgctg 240  
tcgataacaa taaagaagaa attatggatg aa 272

<210> 32982

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 700893347H1

<400> 32982

actcgagccg aatcggtcgc agtgcaatcc tatcattgcc aagaagtacc aaggtggtgc 60  
tggtcctgac atgggtggtg atggtgctgg ggcagccgag gatgattatg ctgctccttc 120  
t 121

<210> 32983

<211> 283

<212> DNA



002220"ETFE560

<213> Glycine max

<223> Clone ID: 700893348H1

<400> 32983

aactgctgtg ccagtatggt acaatatggt gaagcaaat cttgtaagcg aacaggtgtt 60  
ctcttttttg ctcaatggtg atccaaaagt gaaaaatggt ggtgaactag tttttggagg 120  
tggtgatcct aaacacttca aaggagaaca tatctatggt ccagttacta aaaagggtta 180  
ctggcagatt gaaatgggag attttttcat tggaggtctc tcaacgggtg tttgtgaggg 240  
tggtgtgtgt gctattgtgg attcaggaac atctttgctt gct 283

<210> 32984

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700893351H1

<400> 32984

ctcgagccga ggaaaggaaa caaaacgcac aaaggattat tatagcaatg gcagaacaaa 60  
acccaaaacca gacaactgaa gctggaaggc accaagaggt tggccacaag agccttctcc 120  
agagtgatgc tctttaccag tatattctgg agaccagtgt ctaccaaga gaacctgaat 180  
ccatgaaaga actgagagag ttgacagcaa agcacccatg ga 222

<210> 32985

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700893352H1

<400> 32985

gaaactttcc tattcacatc tgaatcagtg aacgaggggc accctgacaa gctctgtgac 60  
cagatctccg atgctgtgct cgatgcatgc ttggatcagg accctgaca 109

<210> 32986

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700893353H1

<400> 32986

tactactatt acttctacta cgcaggcaaa tagtgttatg tcctcttggt tgcagacgca 60  
 taacctagat ttgccagaaa acaatcccc acaagtcatt gaggagccac aggctgctac 120  
 tgctactgct ataagtggga gctgtggcag cagcagctcc tgctcaacta gcaatggtgg 180  
 tgctacttgt aatagtaaca gtagtagtag tgtgtttgcg agtttggttg cttcttcaac 240  
 agcatctgtg accctacaat ctcaaaca 268

<210> 32987

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700893356H1

<400> 32987

gctcgggggtt cggctcgaga acacggcaca gacactgtgt ttgtgaaact cgctctcaca 60  
 cacaagtcac agggacaact tgtgttggtc caatggcatc agcaacaccc cttttgaaag 120  
 atgagctc 128

<210> 32988

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700893357H1

<400> 32988

cacataaatg cccaaattct tgctcaaaca aaattgagag tactatatat ctgcctttac 60  
 ttgagatctg atcatatcct tcagtaaagc agcaaagcag 100

<210> 32989

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700893358H1

<400> 32989

caagaagcga accacaacag actgagtctt gtcgaccggt tcacggagtc actgcactat 60  
 tattcaaccc tattcgactc gctggagggt tcgcctgtga accctaacga taaggccatg 120  
 tcggagggttt acttagggaa gcagatctgc aacgtggtgg cgtgcgaggg aatggaccgc 180  
 gtggaaaggc acgagacgct gaaccagtgg cggaaccggt tcgtttcgac cggattttct 240  
 tcggtacact ggggttcgaa cgcgtac 267

<210> 32990  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893360H1

<400> 32990

acaccctgag cttccttggg ccgaagccca tccccatgaa gcacgcgggc atgcctccga 60  
 agcccacgaa gctttacaga ggggtgagac agaggcactg gggaagctgg gtggctgaga 120  
 tcagacttcc caagaaccgg accaggctgt ggctgggaac cttcgacacc gccgaggaag 180  
 ccgctctggc atacgacaag gccgcgtaca agctccgagg tgacttcgcc aggctcaact 240  
 tcccaaacct gcgacaccag gggt 264

<210> 32991  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893361H1

<400> 32991

tctcgagccg aatcggctcg agcggctcga gcagggagtc tgatgatgat actaaggtec 60  
 aatcccagac ttttccttta actggaaaca caggccaaga tgtttctcaa gattttcccc 120  
 cagaagctaa atccagacct actcaggggtg acattctgat tgatatcgag gacaggtttc 180  
 cccgtgattg cctttatgac atgttctcca aagcaataat ttctgaagat ccctcaagca 240  
 ttggtccatt 250

<210> 32992  
 <211> 267  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893362H1

<400> 32992

gaatcatcca aatgtaatta ttagggtaat tgatagttat gtagataagg gtgctcgtga 60  
 cttgctggca gtggtctaaa ggagtttatt gcagtgggtg ccacacgagt tacttgggga 120  
 tgaagctact atcgtcactt gactacaaaa attgttgggg gtgtgtacat agcacgctga 180  
 tagtttaagt tgattgacta gtatcagcta tagagacatg gagggcattt tcaagggtca 240  
 cgcttggatg tacagtattt gtacagg 267

<210> 32993

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 700893364H1

<400> 32993

cgactttcca acacgtccgg aaaataaaat aggacagaac atattgtata ataataataa 60  
 taaaaaacia cagacaagtt tgttgttcct gttctaactt ctggaccatg tcatacaact 120  
 gaatctaatt gcaattcctg tgagccgtgg caaagctttt gaatttagtg cctctcctct 180  
 ctgtttaccc ttccagatat tgcagatata gcaagatcat gagtgggact tcggaaaaga 240  
 aacttgaag aatcgatggt agttctgata ctgtatgccc a 281

<210> 32994

<211> 117

<212> DNA

<213> Glycine max

<223> Clone ID: 700893365H1

<400> 32994

gaggcactgt ggcagaagtc ctaggagtgt aaaacagaga cgcaaaatga agacgatctt 60  
 gtcgtctgag accatgttta ttcccagcgg cgtgagcatc aaggttcacg ctaaggt 117

<210> 32995

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700893368H1

<400> 32995

ggtgaacgtg gtggaattgc agaaacagtt gcagaggtgg cagcagagtg ggaatgtgaa 60

tgtgaatgtg aatggtgatg ccaacggaga actcatgtat gtcaaggtc 109

<210> 32996

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700893369H1

<400> 32996

tttagatcta tccactcacc tgccctcttcc tcacccttt ctccatctaa cgagtaagga 60

aaaatggcgc gtaagaagat cagagagtat gactcaaaga ggttggtgaa ggagcacttt 120

aagagacttt ctggcaagga gttgccgatc aagtctgcac aaattactgc atcaactgat 180

ttcactgagc tacaagagaa ggaaccctgg ctttcatctt ctaaattggg tgtgaaactg 240

acatgttatt tggaaagcgt ggcaa 265

<210> 32997

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700893370H1

<400> 32997

ggaatgaact ttatcatgat ttaccagca agcagctcaa ggtcaaagct gctgacagaa 60

eggctgttgt tacaacaaat gcagaaaactg tgggtgtgag ccctccgggt ctacaagaag 120

gcataaatga agaaactgct aaggaccctc aaggctgatg ctttgtgcga ccatctggca 180

ctgaagatgt tggtcgtgtg tatgctgagg catccacaca gg 222

<210> 32998

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700893371H1

<400> 32998

aattcggctc gatctactgt cgtgtgtcat tctgtacctt tttagctctt ctttgaatga 60  
tagtgatgct ggatatttca attaagactc tctaggtgaa gattggactt cgagttctta 120  
ctcgccccgt gcccaaccaa ttacctacgg tttatcggac tcttggagag agttatactg 180  
caagggtttc accttcaatc atacatgaaa ctttgaaagc cgtggttgcc cgttacaatg 240  
ccagccagct tatttatcag cgagaggctg tta 273

<210> 32999

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700893327H1

<400> 32999

cccactttca tttcattttc gttttctctc tcttctttct ttctctttaa acgccgacca 60  
acgacgcgac acgacaccgt ttcgatggtg gtgaagatga tgcggtggag gctcgtggcc 120  
ccctctcgctc tcgaagaagt acgaggttaa gctcgtcgctg aaaaccctca ctctccagag 180  
ctgcgatctg gtgcgtgcgt ccgcagagaa aggcttcatg ctccagatta agtggaaggg 240  
tccaagctt accctaagct cgctgagacg ca 272

<210> 33000

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700893372H1

<400> 33000

gctcattggt gtcgaatgaa aagttccggc caaggcagtg cgtatgaggt gaagaagaag 60  
aagaatcaaa tgggctaagg cagtcttcta gaaaagatta tttttcactg gctttagttt 120  
acacgtgctc atttagttag gatgatcagt aaattagtgt ttctttcaag taggagaaga 180  
aatagtga aa gcatacagtc tttgatattg agaagaaaaa aaaaagtgag acaattctgg 240  
tgaaatgtga tgactaga 258

<210> 33001  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893373H1

<400> 33001

caaattattat tattcaatag aaaagtaaga tgagtccaac atgggttttt gtgttaggtg 60  
 ttgcagcaat gttggtggtt gtgagtggac aatcatcagt gaagcctttg gtgaagacag 120  
 tgaaggggaa gaaggtgtgt gacaaagggg gggagtgcaa aggttggtct gcatattgct 180  
 gcaatgagac tatctccgac tacttccaga catacca 217

<210> 33002  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893374H1

<400> 33002

cttccttggc ggcttccacc gcggtatgt cagaaatcct tggaaacccc gttaacctca 60  
 gatgcgcaac caggtctgct ccatcaccaa ctacacctgc caccttcaag accgtcgcac 120  
 ttttctcaa gaagaagcca gctccacctc caaagaaaaa gcctgccgct gtatcccccg 180  
 ccaatgagga actcgccaag tggatatggtc ctgacagaag gatcttcttg cctgagggtc 240  
 tcttgacggt atctgagat 259

<210> 33003  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893288H1

<400> 33003

gatcaatgtg cgcaccgatc ccaatgcgct ggtggatctc accgaggatg ctgaggttca 60  
 ggccgagttt ttgtacacgg ttaagtggaa ggagactaac acgccattcg agaagaggat 120  
 ggacaagtac tcgcagtctt catcgctgcc gcatcatttg gaaatccact gggtctcgat 180

tatcaactcc tgtgtgacgg tgttgctctt gaccgggttc ctgcccacca 230

<210> 33004  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893289H1

<400> 33004

atcgaatctc tctctcttgt gccgcccatt catgcaagtt gttgcaacgg cgcgttcttc 60  
 catcttattg ttggagcgat catcaccctc atcaatccaa ggaataatga tctttgtttt 120  
 tttgtgtttg ggagtacaaa atgtttcgta cgtgaaacaa atatagataa tatgatatga 180  
 taccagaggc tagctagcta aagaataaat gtttttactg taatgtatgt 230

<210> 33005  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893290H1

<400> 33005

cactagctat agtaagctac acttatttga ggttggagaa atatggctac agatgttgag 60  
 gttcaagagc aaggatgcga gtactctgca aaagactacc atgacctcc tccagcacc 120  
 ttgttcgacc cagaggagct cacagagtgg tccttttata gagccctaata cgctgagttc 180  
 atagcaaccc ttctcttctt ttatgtcacc gtgctcacca ttattggcta g 231

<210> 33006  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893292H1

<400> 33006

gacactgagg aaattgttga tgcttaaatt aagtttcaaa ttatatacct tttcttttct 60  
 gttttgtctc tgcttatgat ttgaatttta gaataaattt ttaaaaaaaaa aaaaaaaaaa 120  
 aaaaaaaaaaag aaaaaaaaaa aaaaaaaaaaag aaaaagaaaa aagtaaaaaa agaaaaaaaa 180



aaaaaggaaa aaaaaaata aagagaaaaa aaaggggggg ggggccatta

230

<210> 33007  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893293H1

<400> 33007

cgtacacgga aagaagcatt gcacgctctt gatgcattgt cacaatcaga tgaagctctt 60  
gcacacctgc atcatgccgg ggccatttca gtaattaggt ctgcaccaa ttcacttgag 120  
gatgcagaag ttgagcgatt caagttgagc ttgatgaaaa ggtttcaaga tctcagatac 180  
gatgatgtgt catcatgagt tgaggtgcat gcctatttgt tttttttttt tggg 234

<210> 33008  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893294H1

<400> 33008

atcagaattg ccagaagggc cggtgaactt gagaatcttc cctatgggtt gtctcaaaaa 60  
cctgctgttc tgaagggttag ggattggtat gtggattctt tccgtgatgt cagagccttc 120  
cctgacatca agaatgtgaa tgatgaaaga gagttcactg aaatgattaa ggccatcaaa 180  
gtgaggcaca acaatgtggt acccacaatg gccatgggag ttcagcaatt gaaga 235

<210> 33009  
<211> 239  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700893296H1

<400> 33009

gtgagtgtca ccttggaat ccattcatag ctcccactct tacatgcaat tcattcttta 60  
taactagcac tctcattca agggtgaccc tccggaatcc aaggctgaga gtctttgcca 120  
agaagtctgg atcattccca tcttttgggc taggcaagcc caaagatgat tcttcttctt 180

caactgaaga aaaagatggc tcatccaatt ccaanccctt tcgtttggac ttcggaaag 239

<210> 33010  
<211> 134  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893303H1

<400> 33010

gcgaaccggc tcgaggtcct ggaaacctgg ctgaggttga tgaatcaatg gaagaagatg 60

atgttggcaa gaacaagggg aacagtgaag ctggcatgca aaatgaaaaa ttatatgctg 120

cagatggtat gctt 134

<210> 33011  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893304H1

<400> 33011

aataatatct gctagcattg ctggcgatat tgttcttgct gcagcatatg cacatgagct 60

gccacgatat ggtcttgaag tagggcttac aaattatgct gcagcttatt gtactggctc 120

cctgttggcc cgaagagtcc tcaaaacact tgaaatggat gaggagtacg aaggaaatgt 180

tgaggctact ggagaggact attcagtgga acctgctgag agca 224

<210> 33012  
<211> 117  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893305H1

<400> 33012

ttcaagcata gaatcaccaa ccaaattatc tggacatact gatcagggtt taatgaagaa 60

atcaaaaggg tttgatgggc ttgcaatgct aataggcaat tgcaatgctg agagtgc 117

<210> 33013  
<211> 270

0022ED-ETFE560



<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893310H1  
 <400> 33016  
 ctattttcgt gtctacaagg gcaatgaaaa tagtcacaag aaggtttctt tgatgggtgc 60  
 tgctcttcat cttttcttgg cgacatcata cactaatgtt ctcaaggact attttgagaa 120  
 aaatctgctt acagggtcaaa atttacttgc tatcgaggag agatatgaga agatccttgg 180  
 catgattcct gatgaatcca ttgcttctga acttagggga agatggcaag atagtaggcg 240  
 gtcttctagt gcaaaagaag acatcaatgt t 271

<210> 33017  
 <211> 223  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893311H1  
 <400> 33017  
 cggctcgagc tcgagccgaa tcggctcgag tttctttctt cttcttcttc tcaccttctt 60  
 cacgattccg acgacgatcc aagtgataga cactagttgc gatggaactt gtagctgaat 120  
 ccgagcgaac tctgtaccca tacgtgactg gatcctctgt agtcgctatc aaatacaaag 180  
 atgggattct aatggccgct gacatgggag gtctgtatgg atc 223

<210> 33018  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893312H1  
 <400> 33018  
 ggaatacatg ctgtctgttc ccgagcatta tggacagatg aaattgaaag tatttgatca 60  
 tgacacattt tctgctgacg atataatggg agaagcagac attgatcttc agtctctgat 120  
 aacatctgct atggcatttg gagatgctgg aatgtttggt aatatgcaga taggaaaatg 180  
 gttaaaatca gatgacaatg cccttattga ggatagcaca gtcaatattg ttgatggtaa 240  
 ggtcaaacaa atgatgtcac tcaagctcca ggat 274

<210> 33019  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893313H1

<400> 33019

agtcaagcta ctgccagtac agtaacatcc ccaaggcaag tggctgtcgg ccaaagcaag 60  
 aggcacaggc tgataaacga gatggaaact gagtcatacg ctttgcagag gtcactgcaa 120  
 cgtggatcag cttctagcag tgaaaacaac agaattaaag ttcatttgcc gcagagggaa 180  
 tcaagaactg gaagtgggtgg gggaagcagc actagggagc aacagcagga tgattcttcc 240  
 ctgctcgcgc atcctgggtga acttggttga tgcaa 275

<210> 33020  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893315H1

<400> 33020

gatgtactta acaagatcag tgatttccga aagcctgaag caaatccact tgccaaatta 60  
 ctagctactg gtcttgtaaa ctatgatgga gaaaaatgga acaagcacag aagattaatt 120  
 aatcctgcat tcagtttaga aaaattgaag attatgttac caatattctt caaaagttgc 180  
 aatgatctaa ttatcaagtg ggaggggaatg tggcctaattg atggaccatg tgaaat 236

<210> 33021  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893316H1

<400> 33021

ctcgagccgt tgtgttattc tttagttttt aaagtatatt aattttcctt tcttccatat 60  
 tatgaaattt tgtttggtgc gctttcgac tggcttgag gggtgagtga gagttgtgac 120  
 gtgttgaggt ttatgtaccg agaaactata ggttcttcca aaggattttg tgatatattc 180

tacagttttg tg

192

<210> 33022  
 <211> 120  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893318H1

<400> 33022

gtgttgagaga gctaaagctt caagcagaaa tggcccttag aaataatgat aaaaactata 60

tgtagtttca aaacttcaga attatgtagt atgtattatg ttgcactctg gtgttttgtg 120

<210> 33023  
 <211> 116  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893319H1

<400> 33023

cagccttct tctagctcca tcaggccaaa ctactcttca agttcaagcc caaaaagtgc 60

tgaagcagag tccaacacac accaagagca agagaaggag aagctttgga tcaaaa 116

<210> 33024  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893321H1

<400> 33024

aacctcttgg agcacagtgg gctcatccta ttccagtacc tgagactggt tgcgtacttg 60

tggctaccga aaagcttgat ggtgttcgca catttgaaag aactgttatt ctccttctca 120

gatctggaac tagacatcat caaggaggac cttttggaat tgatcatcaac cgtcctcttc 180

acaaaaagat caaacacatg aaacctacaa accatgatct attactacc ttctctgatt 240

gttctctgca ttctggcgga cctcttgagg c 271

<210> 33025  
 <211> 268

<212> DNA  
<213> Glycine max

<223> Clone ID: 700893322H1

<400> 33025

ctcgagcgtg cggagagaga aattgagttt ccgagataac cagttttctc ttgattcat 60  
caatggcaac tgcgaggacc gtgaaggatg tttcgctca cgatttcgtg aaggcttatg 120  
cttctccct caagcgttcc ggcaagatgg agcttcctga gtggaccgat attgtaaaaa 180  
cagcaaaatt taaggagttg gctccatag atcctgactg gtactacatt agggctgcct 240  
caatggcaag aaagatctat ttgagagg 268

<210> 33026  
<211> 187  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893323H1

<400> 33026

attggacatg ataagtgata aaacagagtt tcgttgaatc tgcactaaaa ccctacgcac 60  
acatcttggg gtaagtccaa tcgatatagc agctatgtct acgcttgaaa ttgaagctcg 120  
agatgtcatc acaattgtgc ttcagttttg caaagagaat tcgttgcac agacttttca 180  
gatgctg 187

<210> 33027  
<211> 228  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893324H1

<400> 33027

ctttgtacct ggctctgctg atcccagtg tagttggaat agctgcaagg ttaatatgag 60  
caactgctcg cctgatcaac taagtaaatt gcaaggcttc aagagtgaat tcgaaagggc 120  
attgagttag gtaggagatt ctccatctaa aggaatgttt attgactctt gctatgccca 180  
ctgccaaaca gaaccacagg agacatgggt aaagactgac tctcaaaa 228

<210> 33028  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893325H1  
  
 <400> 33028  
  
 ctaaacctaa accaaaaatca cctgcgccag ttgcttctct cacttctaaa atggaccgca 60  
 gaagcctcct ctgcctcgca atcatcgga ttgtcgtcgc cgccgtcgga ggtcagtctc 120  
 tcgcggcggc tcccaccact tcctcggcac cccagccac agccccctct aaacctaaac 180  
 caaatcacc tgcgccagtt gttctccaa cttcatctcc tccagcttca tcccccaat 240  
 gctgaaaccg caaccctcc ggtttcgtct 270

<210> 33029  
 <211> 229  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893287H1  
  
 <400> 33029  
  
 ggattctgct gggagcacga acctttctc acacttggt gcaagagatt acgccctctt 60  
 gctcccaagc ttcccaacac ccaaactaat actatcccta ccacccttc tgttcctttc 120  
 gatctcaaga gttcatcag gcctgaaagt ggccccagaa aaccggttc ctctgacgac 180  
 agtaagaagg atccaccttc accccaaggc caggttgaaa cgcattccag 229

<210> 33030  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893326H1  
  
 <400> 33030  
  
 ggagaagaac acagaagaag ttgttgagac tccaacacca gaaactgtgg tcaactgagca 60  
 aaccaaggag gaaagtactg agggccacg acctgcagct tcagaagaca agccctcggt 120  
 tgaagttcag actaaagagg tggcagagga agttgtgtct gagaccatca cacaagagcc 180  
 aacagttgag aagcaagaag ctgctgaggg aacaaaagaa aatgccgatc ctgctgag 238



<210> 33031  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893251H1

<400> 33031

gactgcgga acttcttcga ccacatcgac gacctcctcg aattccccga cgacgccgcc 60  
 gccgctgaca cctccgcgcg cgctcctgtc cctccaccgg cgaacttctg gtccgccgag 120  
 tccgactcgc tccccgccac cgacacggtg ttttccgaca actccgtgac ggacctctcg 180  
 gccgagctct ctgttccgta tgaagacatt atgcaattgg aatggctgtc ca 232

<210> 33032  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893253H1

<400> 33032

agaagatgga cttactggag ttatgggcaa ttttcggacc cggcgctgcc ggcgctgtct 60  
 tcggcgcagt atggtggatc tggcttgacg cggctgtctg aatcttggtc accgttcctt 120  
 tccatcacta ccttaccgta gttttcgcac ctttagcggc tttgatgtc aattgcgtta 180  
 gaccagaaga catcgattat tctccatatg acgaag 216

<210> 33033  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893255H1

<400> 33033

cgttcttctt cttttgttgt tctgtgtttg tgtttgtttt ttctctcacc tgaaaatgtc 60  
 ttgctgcggt ggtaactgtg gttgcggaag ctctgcaag tgccggaacg gctgcggagg 120  
 ctgcaagatg taccagact tgagctacac tgagtcaacc accaccgaga ccttggtcat 180  
 gggagtggca cctgttaagg ctcaatttga gcgtgctgaa atgggtgtgc ccg 233

<210> 33034  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893256H1

<400> 33034

ctgaagtatg gttcgcttgt tattgctaca ggatgtacgg catcaagggt tccagagaaa 60  
 attgggggaa acctacctgg tgttcactat attcgggatg ttggagatgc cgatgcacta 120  
 attttatcgt tggagaaagc aaaaaagggt gtagttgttg gaggtgggta tataggaatg 180  
 gaggttgctg ctgctgctgt tgggtggaaa cttgatacaa caatcatatt ccc 233

<210> 33035  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893257H1

<400> 33035

cgaacacacc gatgttgctg tgcttctcga caacgaggct catctacgac atttgcagga 60  
 gatctcttga catcgaacgc cctacctaca ccaacctgaa ccgtctcggt tcccagggtga 120  
 tatcatccct cactgcctct ttgaggtttg atggagcact gaatgttgat gtgactgagt 180  
 ttcaaaccaa cttggttcct tacccaagga tccatttcat gctttcctcg tatgcc 236

<210> 33036  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893258H1

<400> 33036

gtaaatgagt gttatggttg agctccctgg tggatgctta atcgggcatt gccaaagtgc 60  
 ttcagaagta attcttgcca cttgttactc agttctcacc tcatatgggtg cggttgtacc 120  
 actctttgac gaatcaacta accttctaca gtcttccaat attcaatttc taatcgctga 180  
 gttcatagca atacttctct tcctttatgt catcgtgctc accattattc gcta 234

<210> 33037  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893259H1  
  
 <400> 33037  
  
 tctcgagccg aatcggctcg agggctcgag atagaaggga catggacagc tatggaagag 60  
 tagctacaag ttgggaatag caaagtccat tggcatacgc aattatggta tcaaaaaact 120  
 cactaaactc ttggaaatag ccaccattcc tctgcagtc aatcaggtgg aaatgaaccc 180  
 atcttggcag caagggaaac tcagggagtt ctgcaagcag aaaggaattc atgttagt 238

<210> 33038  
 <211> 237  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893260H1  
  
 <400> 33038  
  
 ccaacaccaa tcttctccgc catgccaacg tcgacacctt catcgtcttc cgatccctca 60  
 cccctctcct cgtcgccctc gccgacaccg tcttccgcag ccagccctgc cctccaacc 120  
 tcaccttctt ctccctctc gtcactctcg ccggctcctt ctgctacgtt gccaccgact 180  
 ccgccttcac cctcaccgcc tactcctggg ccttcgccta cctcatcacc atcacca 237

<210> 33039  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893262H1  
  
 <400> 33039  
  
 atcgaatttt cctttcaact atatgatctc aagcagcagg gttttattga aagacaagag 60  
 gtgaagcaaa tggtagttgc tactcttgct gaatctggca tgaacctatc agatgacgtt 120  
 atagaaagta taattgacaa gaccttcgag gaagcagata caaagcatga tggcaagatt 180  
 gacaaggaag agtggagaaa ccttggtttg cgccatccgt cacttttgaa gaacatgacc 240

<210> 33040  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893264H1

<400> 33040

tttcgtttct cagttttatt cgaatccctc tctcaatctc ctttcctaat gccagcgtt 60  
 gaggttgac agcaaacacc aacaacagtt ccagaaaatg aaacaaccga ggtaagcaag 120  
 acccaggaaa caacccagct cactgaggct cctgcaacag aacaaccagc agctgagggt 180  
 cctgcaacag aacaaccagc cgctgaggct cctgccccag aatcaaccac cgaagcacca 240  
 cagg 244

<210> 33041  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893266H1

<400> 33041

gcggaggcgt atctaggttc caccataaag aatgcgatat gtcactgtgc ctgcttactt 60  
 caacgactca caacgtcaag ccaccaagga cgctggtgtc atttctgggc tcaacgtgat 120  
 gcgaattatc aacgagccta ccgcggctgc cattgcttat gggctcgaca aaaaggccac 180  
 tagctctggg gagaagaatg ttctcatctt tgatctcggt gccgggactt ttgatg 236

<210> 33042  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893268H1

<400> 33042

tttactgca ggacctgatg aggttaagtg ttggcaaatt cgacgcaaaa caaaggctcc 60  
 ccaagctgca ggggctatcc atactgattt tgaaagagga tttatttggt ctgagggtgat 120  
 gaagtttgag gatctaaagg aacttggtag tgagtcagct gtgaaggctg ctggaaagta 180

taaacaggaa gggaaaacgt atgtggtcca agatggagac attatattct 230

<210> 33043  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893269H1

<400> 33043

caatcatctt ttgtttgttc ttcagtactt tagtgtgtga tttaattcca agattttgag 60  
 aatgtctagc tgtgggtgtg gaagtagctg caactgtggc agcaactgcg gttgcaacaa 120  
 gtactctttt gacttgagct atgttgagaa gacaaccaca gagactcttg ttttgggtgt 180  
 tgggtctgtg aaggcccaat tggagggtgc tgaaatgggt gttgcagctg 230

<210> 33044  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893270H1

<400> 33044

catagacaca tgtaaattggg tgcaaaggaa gataagatag gtaccagcta tcacatagtt 60  
 tatttaatcc gttatatgcc acctgatata taggcatatt agctagttag gtaggtatag 120  
 tagtttaagt taattcaacc atggaagaca gggatcactg ttgttccaac aattcaacga 180  
 tgatcacaac aacaaagaaa agaacgggta gaagaagtcc aacatcggat a 231

<210> 33045  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893271H1

<400> 33045

aaaacggtgg gattgagcct cgaatcttca aaagttggag ttgcagggat tgggtgttgc 60  
 tcaagttaat gagagatggc atgaattccc gtatattgct ggacgctgca aaaagttgca 120  
 tattggcttc ttctcctgtt ttcagaaggc aacaattctt gataaggtgt gtgggaggct 180

ccactgatca aagagacatg caagccctta ggtctcttga ggttgactct c 231

<210> 33046

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893273H1

<400> 33046

atgctgtaaa attctcaaac tcacagtttc agttcaatca cattttggtc taaagatccg 60

tgccttgacc cttggcagtt tcagctttca aaagggttgg agtttttctt cctcataagc 120

cactgaatag tccaaatttt tcttttttct tttttttccc ctctctctct ctctctctaa 180

agttcaaagt ttttgttggt tccccccoga gtctttctct ctcttgctgt gga 233

<210> 33047

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893274H1

<400> 33047

tcagttactt aattttgtat taaatataag agacaaaaat attgttttga gaaatattca 60

tcacagaaaa ttaattggat tagtgataaa aattaaattg tttatattaa caacattgaa 120

attgctcttg gtgcgctgaa gtattcattt tttattttta cttttgccct tcatgatgat 180

gactatcaga caaaatttct catttctcta ctattaatgt gacagtaaaa tttaa 235

<210> 33048

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893275H1

<400> 33048

cttaagcttg ctactgagtt tccacactgc ataccttagg tcttccgaat tcgaagttaa 60

tttgcaagat ggctaaggaa aaggctcaga tcaacattgt ggtgggttgg catgtggacc 120

ctgaggaggc aaccaccatt aacgagctga agaagcctgt tgtggagaaa gaagctccag 180

ggcatgccat atgagggcat gcacgtacgg cctcggaggg gaaccagaa

229

<210> 33049  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893276H1

<400> 33049

gaagatggtc acagaaacaa ggggcttaca catcacagca cgaaatttct taccttacat 60  
accggttgcg tgaaagacgc gccactcatc cttttccgat tgggcgagag gcatcagatc 120  
agagcagggt cccctgatat ctacatattc tcattattct gtccagaaac taactacact 180  
gacgtatttg ttctcgtgtc aattttctaaa tccagcagca caccctctct tctc 234

<210> 33050  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893277H1

<400> 33050

aaagttttaa ccctacagaa aaacgctaca taaacccgc aacaaacaac caacccccaa 60  
accctcact cttctcggcg tccatcgga ctttccaagg taaaaagatg aatctgaaga 120  
acatgaagat tccgaacgct ccaggcggcg gtgcgtcttc tgcgctgctg aagcttgggc 180  
ttcttggtgg aattggttta tatgcagctg ctaacagtct ctacaacgtt gaagg 235

<210> 33051  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893278H1

<400> 33051

taaagatggc agagacattc ctatttacct cagagtcggt gaacgagggga caccctgaca 60  
agctctgcga ccaaactctcc gatgctgtcc tcgacgcttg cctcgagcag gaccagata 120  
gcaaagttgc ctgcgaaaca tgcaccacaa ccaacttggc catggtcttc ggaggaatca 180

cgaccaaggc caacgttgac tacgagaaga tagtgcgta cacctgcagg gacat 235

<210> 33052  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893280H1

<400> 33052

cccacgatag aattttcggt cgccggcggg tcacggtgaa gctgcctcca cagggtatac 60  
 tcttcgtggc gagtaccaag caggtttggt tggcttttgc cgcaaattggt gacgatagtg 120  
 atgttactat atatgggaac gtacaacaga gaacaataga ggttgtgtat gatgttgag 180  
 gtgggagaat tcggtttcgt gctagtgggt gcaagtgatt aatgattaaa catgctttgg 240

<210> 33053  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893281H1

<400> 33053

attggctcag ccttcaatat aaagggggca atgcagtgcc ccaattgtcg taagactgaa 60  
 aaaggtcatt ggctttatgc taatggtagc cgctcatatc cacaattcag catagatgca 120  
 tcgtcactcg atgaggatct ctatgctgtg agctactctg agatgccttg tggagttcac 180  
 tgctgccctt gcggttaactt gaccggcgtt ccttcatctt tcgaggaagg g 231

<210> 33054  
 <211> 221  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893283H1

<400> 33054

ctcctcctac ttagagccat tagatcgaat tcgatcattt cggatttgat ctgatggttt 60  
 tggacttcta attagtctaa ggtaatctaa attagagtcc tctctctctc tctctctcat 120  
 ttttttacat ttctttattt tggtgctgta ctttttgtct cttggaaaag aattttaatt 180



tctatacact atattcaaag atggacaagg ttacgaggtt g 221

<210> 33055  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893284H1

<400> 33055

aaggaactgt tgcattgtgag tcatcatcat catttgactt tgactcatca tgatcatgtg 60  
tacagaaacc ttctgaaaga tctcattatt cagtgtttgc ttagactgaa agaaccttct 120  
gtcttattga gatgtcggaa agatgacctg cacttggttag agcatgtgct ggattcagct 180  
gcacaggagt atgctgagaa agttaatgtt gatccccag agatcattg 229

<210> 33056  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893250H1

<400> 33056

cttactctcc ttctctctct aaagggattc ctttgtgtc ttccaacttc caagacatgt 60  
cgattatata acgcagaggc atctgttaca tgccaagact agatgcagcc acagtatctg 120  
ctgctttgct agacataggc caaaatcgtg tcatagatgc ttcacttaga cttattcgag 180  
aaagagcaca gcctaaggca taacttctgc gtgctttggg acgcgctata gcaacttcaa 240

<210> 33057  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893285H1

<400> 33057

gggagacttc aaggtgcact gaacagcccg gcaactggaca ttcgatctaa tttcatgcca 60  
caattaaatt acttcgaaaa tgatgccaga ctacaattat tgatgcaaag atctctcgca 120  
ccacagcaaa accttagatt ttctgaaatt gggaatactt tttctcaact tggcgattcc 180

tatgctgttt cttcaagggtt agatcaatcc caagtcagta atctaggcc

229

<210> 33058  
 <211> 100  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893286H1

<400> 33058

ccataaaata gcagtttgac atggcgtgtg taaaacgcaa acccaaaaac tccttccaag 60  
 accaagccac aaaaaaaacc tcacacaact cccatggagg .100

<210> 33059  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893217H1

<400> 33059

aaaagcacac ccatggcaca agatattcca caaaaagatg cctccagaag caattgatct 60  
 tgcattcccgg cttttgcaat actccccaag tctccgatgc actgcgcttg aagcatgtgc 120  
 acatcctttc tttgatgaac ttcgataacc ccatgctcgc ctgccatatg gtcgtccatt 180  
 tcctcctcta tttaacttca aacaggaatt atctgaagta tctcgagtgc ttgtta 236

<210> 33060  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893218H1

<400> 33060

ctcgtttcca gcgttaacaa ccgattgcga ccaactttac actttctgat gaaattaggg 60  
 tttaatgggc cccactcgct cacgtgtcag accacattgc ttctcgtttc cagcgtggag 120  
 gacacccttt tgcccaagat tgagtttttg aagggcttgg gggttactca cgaagaggtg 180  
 gctaacatgg tcgtgatgtc acctgggttg ttgactctta gtgtgga 227

<210> 33061  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893219H1

<400> 33061

ggggtgttca tggagataaa tgggtacttgt atagctgctt acaagactgt aaatattggt 60  
 gctgtaattt aatacacgag actagcagtt ctttttcgat gggttcctttt gagtgaacaa 120  
 aaccttgtac ttctcatcag ctttcttttg agagatctta aagacgacat tgactgctat 180  
 caacaataaa gtggatcaat cattaaaggc ttacttcttc ttcttcttct tcttctt 237

<210> 33062  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893220H1

<400> 33062

ttttgtgact aggtgcattg ccatagcacc tagtcttatt gtttccatca ttggtgggtc 60  
 tcaaggggct ggtcgggtta tcatcatcgc atcgatgata ctttcattcg agctccatt 120  
 cgcattaatt ccactcctta agttcagcag cagcagtacc aagatgggac ctcaacaagag 180  
 ttctataatt atcattgtca tctcttggat cctaggcttg gtgatcattg gtatcaa 237

<210> 33063  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893221H1

<400> 33063

ggtgggagca gccgcaagca agaggtagcg aatcagattg agatggggtc gtttggtcgg 60  
 agaagcatgt ccaactgtggc gaaagcgggtg gaggacatca ccggcactgg caacaccaag 120  
 atccgcaaatt cttccagcga gctgctgcac cttcctcggc atccctcgcc aatctcgttc 180  
 cgaaatcgct ctcatctctt ccaagttcat caaactctat aatttcaaga gtcccggca 239

<210> 33064  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893222H1

<400> 33064

actcaatcct gcatggaccc caatgtgatg gaggctaagg tgggtggtgag ttcttgtggc 60  
catgatggac cctttggcgc cactggggtg aagaggctca agagcattgg gttgattgat 120  
agtgtgccag ggatgaaagc ccttgacatg aacaaggcag aggatgccat tgtgaagctc 180  
actagggagg ttgtgcctgg catgattgtt actgggatgg aagttgctga gattgat 237

<210> 33065  
<211> 208  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893223H1

<400> 33065

agtcgctggt gaacatgacg ggtctgttac agttaagtgt cggagataac cctttcgact 60  
taacgccctt tcccaaagag gttgtgagtc tcaagaatct caattgggtc tacctatcga 120  
actgcaccct cggatggaag cttccggtag gactcggcaa cctcacggag ctcaccgaat 180  
tagaattctc cgataacttc cacacaac 208

<210> 33066  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893224H1

<400> 33066

cttggttttag agaactacca actggggtat tggaccctct ttgccagag caggtgatgc 60  
aatcccagtc agaagaagaa tgtgctcagc ttgtgaggct tcttctcca acagaagctg 120  
ctttgctaga ttgggcaata aacttaatgg cagatgttgc tcaaatggaa aactgaaca 180  
agatgaatgc acgcaatatt gcaatgggtt ttgctccaaa catgactcaa atggc 235

<210> 33067  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893227H1

<400> 33067

cctcgagccg aatcggtcgc agcggctcga gatagaaggg acatggaccg ctatggaaga 60  
 gtactacaag ttgggaatag caaagtccat tggcatatgc aattatggta tcaaaaaact 120  
 cactaaactc ttggaaatag ccaccattcc tctgcagtc aatcaggtgg aaatgaaccc 180  
 atcttggcag caagggaaac tcagggagtt ctgcaagcag aaaggaattc atgtta 236

<210> 33068  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893228H1

<400> 33068

cgaaaattga ataaatgctt atacaccctc tcttttttat cttcttatat ctgaaagatt 60  
 atgaaaagat ttttttctgt tcctttgtct tcaaaacttc tgaatcaaaa gcaacctcat 120  
 attttcaatc cttaaagcca tattatTTTT ctgttcacct ttgaattctt tcattttccc 180  
 acttttgttt tcatcctttt gtgtctgtgg aaggaacctg tgtggttatg tgctcagaaa 240  
 c 241

<210> 33069  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893230H1

<400> 33069

gaaaaggaaa aaacagaaga acagtgttcg aagatggaga aaatgatgcg actgagacca 60  
 ttgttccgat cactgagttg cagatcttat catttcgttc ttcgctcttc tcttctctct 120  
 cgctctccca atcctcttcc ttctccttca cctcagaat gcaggtctcc tctctcaatg 180  
 ggtttaggga gtatgagatt ctatagtga gatgtgaccc acatgcccaa tattaaggac 240

cctgt

245

<210> 33070  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893231H1

<400> 33070

tataataaca tctttctctc tccgaacaga tcacactatg gccacctcaa gcgccaaatc 60  
 agtccatgat ttcaccgtta aagatgccaa gggaaatgat attaattcttg gtgactacaa 120  
 aggaaaggtc cttatcattg tcaatgttgc ctcaaatgt ggcttgacta attcaaatta 180  
 cactgagctc agtcagttgt atgagaaata caaacagaaa ggtctggaaa ttctggcatt 240  
 tccatgca 248

<210> 33071  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893232H1

<400> 33071

ctcgtgacg tcacgtggtt aagttgagaa acaacaacag agacacggtg gtgtactcac 60  
 ggaatgaatt ggaatcggat cgtgtcgtag ccaccgctcc tacctggcgc cgtctttcac 120  
 tttctgcttc tcccatctcc cactaaacaa ccatggacct ggatcctcgc caatacgaaa 180  
 accttgctgt aatgataat gacatccaca acattgttct gtcatatctt atacataatt 240  
 gctacaaa 248

<210> 33072  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893233H1

<400> 33072

gtttgttgtt gtaactcggtt cttcttcttt tgttgttctg tgtttgtgtc tgttttttct 60

ctcacctgaa aatgtcttgc tgcggtggtg actgtggttg cggaagctcc tgcaagtgcg 120  
 gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180  
 ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaat 238

<210> 33073  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893234H1

<400> 33073

cacgcgaacc tactctcgac atcacctacc ctttctctgt tcattgctca attgtttcca 60  
 ccacaactca taacctcttt cccatttaac ctttgaaaaa attccatact gtaacaacag 120  
 ctcaccatgg ctctatcacg tttgttccac cgcagcatca caacacactc tcacaaaacc 180  
 cttctccgcc gccgcgcct cctcccgttc gatctccacc tcggacaccc ccttaacaat 240  
 cgagacctct gtcccccttca cc 262

<210> 33074  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893235H1

<400> 33074

gtgttgtgag tcgccggcgt tttccactcg aagcacacac cagccataat cgattacaca 60  
 ccgtgataag ataagattga aaagatgttt agggacgtgt caagctgcaa cacgtacaac 120  
 tacggcgagg ctgggtattg ggacgcgcgc tacatccaag agggtggttc cttcgattgg 180  
 taccagcgtt actctgctct caggcctttt gttegcaatt tcatccctct ttctt 235

<210> 33075  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893236H1

<400> 33075

tctctccaat ggccaaagac ctcgaaacgg agattcaaag tgggttgct cacaaggact 60  
 accacgaccc acccttcgcc ccattctacg accccgccga gctccgaaag tggtccttct 120  
 tccgagccct catcgccgag ttcgtcgcca cctcctctt cctctacgtc accatcctca 180  
 ccgtcatcgg ctacaaccac cagacagtca ccgccgccga gccctgc 227

<210> 33076  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893237H1

<400> 33076

tgtagttgga gaacatcaaa gtagtggagt tcaagaactt taccacaagc tcaggtcatc 60  
 gtcacagatt aattattggg gaagtgataa ctcaccagtg tttctaagca acatggcttc 120  
 ttcacctctt tctttgtcca acattttgga gtcaccttca ttttctggga gtgaattcgg 180  
 gtgctggaat ccaacccttt cctggtctga ccttcccact accaatggag catatc 236

<210> 33077  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893238H1

<400> 33077

agatgaaagc cactgagtgc gattcaataa ttgcgcttaa cctcggggac tggtatatga 60  
 ttcggtaccg gctggaccag gtcctggata gagatgagat gctttcggct taagaaaact 120  
 tcgttaaccg gggaaaccaa acgcaggatc ggcggcagct attggcatag gaagtacgtc 180  
 gaggaggttc tctactacta agaataatct catccac 217

<210> 33078  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893239H1

<400> 33078